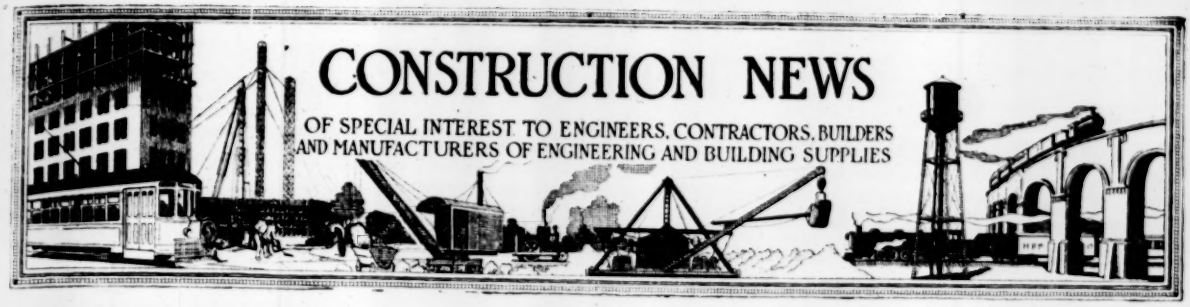
CONSTRUCTION NEWS
OF SPECIAL INTEREST TO ENGINEERS, CONTRACTORS, BUILDERS
AND MANUFACTURERS OF ENGINEERING AND BUILDING SUPPLIES

PROPOSALS

For proposals Advertised see the pages immediately following the "Construction News" Section.

WATERWORKS

Bids Close			See Eng. News-Record
Oct.	25	Ventnor City, N. J. Adv. Oct. 7 to 21.	Oct. 7
Oct.	25	Garfield Heights (Cleveland P. O.), O.	Oct. 14
Oct.	25	Terrell, Tex.	Oct. 14
Oct.	25	Normal, Ill. Adv. Oct 14 and 21.	Oct. 21
Oct	26	Portis, Kan.	Oct. 21
Oct.	27	South Bend, Ind.	Oct. 21
Oct	28	Newark, N J. Adv. Oct. 7 to 21.	Oct. 7
Nov	1	Defiance, O. Adv Oct 14 and 21.	Oct. 21

SEWERS

Oct	25	Garfield Heights (Cleveland P. O.), O.	Oct. 14
Oct	28	Stockton, Kan.	Oct. 21
Oct.	29	Detroit, Mich.	Oct. 14
Oct.	30	Yorkville, O.	Sept. 23
Nov.	1	East Gary, Ind.	Oct. 21
Nov.	8	Syracuse, N. Y. Adv. Oct. 14 and 21.	Oct. 21
Nov	9	Rayville, La.	Oct. 21

BRIDGES

Oct.	25	Missouri	Oct. 7
Oct.	29	Laredo, Tex.	Oct. 21
Oct	30	Detroit, Mich Adv. Oct. 21.	Oct. 21
Nov.	1	Jena, La.	Oct. 21
Nov	3	Chatsworth, Ga.	Oct. 21
Nov.	3	Manning, S. C.	Oct. 21
Nov.	4	Ft. Worth, Tex.	Oct. 21
Nov.	5	Detroit, Mich. Adv. Oct 14 and 21.	Oct. 21
Nov	5	Norfolk, Va. Adv. Oct. 14 and 21.	Oct. 21

STREETS AND ROADS

Oct	25	Missouri	Oct. 7
Oct.	25	Missouri	Oct. 14
Oct.	25	Garfield Heights (Cleveland P. O.), O.	Oct. 14
Oct.	25	Houston, Tex.	Oct. 14
Oct	25	Michigan	Oct. 14
Oct	25	South Dakota	Oct. 21
Oct	26	Ft. Wayne, Ind.	Oct. 7
Oct	26	South Dakota	Oct. 21
Oct.	26	Ohio	Oct. 21
Oct.	27	Indiana	Oct. 7
Oct.	27	Delaware	Oct. 7
Oct.	27	South Dakota	Oct. 21
Oct.	27	Brooklyn, N. Y.	Oct. 21
Oct.	28	Siloam Springs, Ark.	Sept. 30
Oct.	28	Indiana	Oct. 21
Oct.	28	Cameron, Tex.	Oct. 21
Oct.	29	New York Adv. Oct. 21.	Oct. 21
Oct.	29	Long Island Cty, N. Y.	Oct. 21
Oct	29	Newaygo, Mich.	Oct. 21
Oct	29	Harrisville, Mich.	Oct. 21
Oct.	30	Indiana	Oct. 7
Oct.	30	Indiana	Oct. 21
Nov.	1	Indiana	Oct. 21
Nov.	3	Visalia, Cal.	Oct. 21
Nov.	3	Chatsworth, Ga.	Oct. 21
Nov.	4	Ft. Worth, Tex.	Oct. 21
Nov.	6	Junction City, Kan.	Oct 14
Nov.	6	Lawrence, Kans.	Oct. 21
Nov.	8	Arcadia, La.	Oct. 21
Nov.	8	Anahuac, Tex.	Oct. 21
Nov.	8	Pittsboro, N C.	Oct. 21
Nov.	10	Alabama	Oct. 21
Nov.	11	Fredericksburg, Tex.	Oct. 21
Nov.	12	Salina, Kans.	Oct. 21
Nov.	12	Birmingham, Ala.	Oct. 21
Nov.	15	Oskaloosa, aKn.	Oct. 21
Nov.	16	Lyon, Kan.	Oct. 14
Jan.	5	Colorado Springs, Col.	Oct. 21

EXCAVATION AND DREDGING

Oct.	25	Manawa, Wis.	Oct. 14
Oct.	25	Waupaca, Wis.	Oct. 21
Oct.	26	Rochelle, Ill.	Oct. 14
Oct.	26	Marengo, Ia.	Oct. 14
Oct.	26	Geneseo, Ill. Adv. Oct. 14 and 21.	Oct. 14
Oct.	26	New York, N. Y.	Oct. 21
Oct.	27	Adel, Ia.	Oct 21
Oct.	28	Crookston, Minn.	Oct. 21
Nov.	1	Tampa, Fla. Adv. Sept. 30 to Oct. 21.	Oct. 7
Nov.	4	Sterling, Ill. Adv. Oct. 21.	Oct. 21
Nov.	9	Norwalk, O.	Oct. 21

INDUSTRIAL WORKS

Oct.	27	Hoboken, N. J.	Oct. 21
Oct.	29	West New Brighton, S. I., N. Y.	Oct. 21
Nov.	1	Webb City, Mo.	Sept. 16
Nov.	1	Augusta, Ga	Oct. 21

BUILDINGS

Oct.	25	Scranton, Pa.	Oct. 7
Oct.	25	Oil City, Pa.	Oct. 14
Oct.	26	Phila., Pa.	Oct. 21
Oct.	26	Great Neck, N. Y.	Oct. 21
Oct.	27	Tenafly, N. J	Oct. 7
Oct.	27	Ft. Dodge, Pa.	Oct. 7
Oct.	27	River Rouge, Mich.	Oct. 21
Oct.	28	Minneapolis, Minn.	Oct. 21
cOt.	29	Pocahontas, Ia.	Oct. 21
Oct.	29	Cheyenne, Wyo.	Oct. 21
Nov.	1	East Conemaugh (Johnstown P O.), Pa.	Oct. 21
Dec.	6	Ossining, N Y.	Oct. 21
Dec.	10	Brooklyn, N. Y.	Oct. 21
Jan.	2	Duluth, Minn.	Oct. 21
Jan.	2	Cortland, N Y.	Oct. 21

FEDERAL GOVERNMENT WORK

Oct.	23	Foundations and Coping for Reflecting Pool — Wash., D. C. Adv. Sept. 30 to Oct. 21.	Sept. 30
Oct.	25	Hospital — West Point, N. Y. Adv. Sept. 30 to Oct. 21.	Sept. 30
Oct.	25	Dredging—Providence, R. I. Adv. Sept. 30 to Oct. 21.	Oct. 7
Oct.	25	Grading—Wash., D. C.	Oct. 21
Oct.	25	Hardware, etc. — Wash., D. C.	Oct. 21
Oct.	26	Remodeling and Repairing Customhouse and Post Office—Buffalo, N. Y.	Sept. 30
Oct.	27	Elevator Plant—Honolulu, H. I.	Oct. 7
Oct.	27	Remodeling Custom House and Post Office — Providence, R. I.	Oct. 7
Oct.	27	Marine Railway—Spec. 4297 —San Diego, Cal.	Oct. 7
Oct.	27	Quay Wall—Spec. 4306— Norfolk, Va.	Oct. 14
Oct.	27	Macadam Roads, etc. — Spec. 4284 — Chelsea, Mass.	Oct. 21
Oct.	27	Hospital Buildings — San Diego, Cal.	Oct. 21
Oct.	27	Concrete Roads, etc.—Brooklyn, N. Y.	Oct. 21
Oct.	30	Hoisting Plant—Wahington, D. C.	Sept. 16
Oct.	30	Cable Hangers—Washington, D. C.	Oct. 14
Nov.	2	Mailing Vestibule—Washington, Pa.	Oct. 21
Nov.	2	Lumber Storehouses—Phila., Pa. Adv. Oct. 21.	Oct. 21
Nov.	3	Steam Locomotive Crane—South Boston (Boston P. O.), Mass.	Oct. 21
Nov.	4	Steel Acetylene Buoy Bodies —Tompkinsville, N. Y.	Oct. 21
Nov.	4	Repairing Assay Office—New York, N. Y.	Oct. 21
Nov.	5	Earthwork — St. Louis, Mo. Adv. Oct. 7 to 21	Oct. 7
Nov.	5	Steel Barges—Vicksburg, Miss. Adv. Oct. 14 and 21.	Oct. 14
Nov.	8	Post Office—Front Royal, Va.	Oct. 21
Nov.	10	Pumping Facilities—Wash. D. C Adv Oct. 14 and 21.	Oct. 14
Nov.	10	Heating System—Spec. 4189 —Mare Island, Cal.	Oct. 21
Nov.	11	Conduit, etc.—Wash., D. C.	Oct. 21
Nov.	15	Marine Hospital—Phila, Pa	Oct. 21
Nov.	15	Extending Mailing Vestibule, etc.—Akron, O.	Oct 21
Nov.	17	Marine Railway—Spec. 4254 —Pearl Harbor, H. T. Adv. Oct. 14 and 21	Oct. 14
Nov.	17	Ordnance Buildings—Spec. 4168—Pearl Harbor, H. T. Adv. Oct. 14 and 21.	Oct. 14
Nov.	17	Remodeling Post Office and Court House—Sacramento, Cal	Oct. 21
Nov.	18	Earthwork—St. Louis, Mo. Adv. Oct. 21.	Oct. 21

MISCELLANEOUS

Oct.	25	Bitumen—New York, N. Y.	Oct. 2
Oct.	27	Testing Machine — Dover, Del	Oct. 7
Oct.	28	Telephone Service Equipment, etc.—Phila., Pa.	Oct. 21
Oct.	29	Terminal — Rouses Point, N. Y. Adv. Oct. 7 to 21	Oct. 7
Oct.	29	Foundations — Rochester, N. Y. Adv. Oct. 7 to 21	Oct. 14
Nov.	1	Basement—Casper, Wyo.	Oct. 21
Nov.	1	Smelting Improvements — Galena, Kan.	Oct. 21
Nov.	1	Ferryboat — New York N. Y.	Oct. 21
Nov.	2	Supplies—Toronto, Ont.	Oct. 21
Nov.	3	Springfield, Mass.	Oct. 21
Nov.	5	Dumping Scows—New York, N. Y.	Oct. 21
Nov.	16	Head Gates—Baldwinsville, N. Y. Adv. Oct. 21.	Oct. 21
Nov.	16	Dockwall—Buffalo, N. Y.	Oct. 21
Nov.	22	Lock and Dam—Chicago, Ill. Adv. Oct. 21.	Oct. 21

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk or corresponding official.

Waterworks

PROPOSED WORK

Pa., Harrisburg—City election in November to vote on $1,600,000 bonds to improve waterworks system, involving 25,000,000 gal. reservoir, 6 additional filters, additional intake pipe in river, 400 hp. boiler, new pump for reservoir and new force main. J. H. Fuertes 140 Nassau St., New York City, engr.

Va., Winchester — See "Streets and Roads."

Mich., Alma—City election Nov. 2, to vote on $80,000 bonds to complete waterworks system and watermain extensions. W. E. Reynolds, city mgr.

Mich., Ecorse—City had plans prepared by G. Jerome, engr., 1331 Majestic Bldg., Detroit, for extension to watermains from here to River Rouge system, involving 27,140 ft. 6-12 in. c.i. pipe, special fittings, etc.

Mich. River Roge—City had plans prepared by G. Jerome, engr., 1331 Majestic Bldg., Detroit, for laying watermain extensions involving 13,610 ft. 6-12 in. c.i. pipe, valve connections, etc.

Kan., Cimarron—City election soon to vote on $12,000 bonds to install pumping equipment also build new tower, tank and well. W. B. Rollins Eng. Co., Ry. Exch. Bldg., Kansas City, Mo., engrs.

Kan., Everest—City defeated $30,300 bonds to improve waterworks system.

Kan., Osawatomie—City rejected bids building dam to impound 60,000,000 gal.

Waterworks (Continued)

Work will be readvertised. Black & Veatch, Mutual Bldg., Kansas City, Mo., engrs. Noted Sept. 30.

Ark., Atkins — City having preliminary plans prepared by Ford & MacCrea, engrs., 326 Gazette Bldg., Little Rock, for improving waterworks and sewer systems. About $120,000.

Cal., Santa Cruz—City plans to build reservoir to store creek waters. Cost between $40,000 and $50,000.

Que., Conticook—City plans to build dam and power house in connection with waterworks system. About $65,000. E. E. Akhurst, supt.

Ont., Almonte—City had report and estimates made by A. F. Macallum, city engr., for waterworks system, to include intake, supply system, pumphouse, filters, reservoir, distribution system, etc. About $263,695.

Ont., York—Twp. plans to lay 6 in. c.i. water mains in Cliff, Besley, Jasper, Belvedere, Amherst, Desmond, Burtan, Delivan, Northland, Lapp, Lauder, Pinewood, Atlas, Hanson, Shader, Rockvale, Huron, Dyenevor and Runnerdale Sts. About $100,000. F. Barber, 40 Jarvis St., Toronto, engr.

Cuba—Guantanamo—City plans to build waterworks system. About $500,000. A. Potter, 50 Church St., New York City, engr.

BIDS DESIRED

O., Defiance—Until Nov. 1 by Director Pub. Serv., furnishing and installing pumping machinery, piping, electrical equipment and wiring, carbon dioxide gas generating and compressing apparatus at city waterworks; advertised in this issue.

Ind., South Bend—Until Oct. 27, by Bd. Water Comrs. furnishing labor and material and installing c. i. suction and discharge mains, and for such collateral work as may be necessary to remodel Central Pumping Sta. Size of pipe varies from 10 to 30 in. in diameter and depth below present ground surface ranges from 15 to 25 ft. Connections to wells, installation of valves and construction of valve chambers, certain masonry work, and construction of tunnel under present head race are also included in above contract. W. Artingstall, Old Colony Bldg., Chicago, consult. engr.

Mich., Oxford—Until Nov. 16 by H. V. Rahm, village clk., furnishing labor and material building pump pit, pumps, station piping, meter tank, etc., involving 20.5 ton 10 in. and 1.6 ton 4 in. c.i. pipe, 2 centrifugal domestic service pumps of 350 gal. per minute capacity, 70 lb. pressure, 30 hp. A. C. motor, 1 centrifugal fire pump, 750 gal. per minute capacity, 100 lb. pressure, 75 hp. A. C. motor, 60,000 gal. tank on 100 ft. steel tower, etc. About $25,000.

Ill., Normal—Until Oct. 25, by E. L. Buck, city clk., building 16 in. well equipped with pump of 700 gal. per minute capacity; advertised in this issue.

Kan., Baxter Springs—J. B. Hogdon, city engr., receiving bids improving waterworks and extending water mains in various streets. Bonds for $42,000 sold for project.

Kan., Portis—Until Oct. 26 by City Clerk, building waterworks system, including 40,000 gal. water tower, motor distributing system, 8,680 ft. 4-6 c.i. pipe, 5,000 lb. c.i. specials, etc. About $32,000. E. T. Archer Co, New England Bldg., Kansas City, Mo., engrs. Noted Aug. 12.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Ia., Atlantic**—City let contract building rein.-con. reservoir, 250,000-gal. capacity, to R. O. Lovett, Atlantic. About $12,000. Noted Sept. 23.

★**N. D., Hankinson**—City let contract building water-works system, involving 25,980 ft. 4-8 in. c. i. pipe, 30 hydrants, one 100,000 gal. tank and tower, etc., to W. D. Lovell, 1415 South East 8th St., Minneapolis, Minn. About $151,000. Noted Aug. 5.

★**Ont., York**—Twp. let contract to A. Cavotti, c/o F. Barber, engr., 40 Jarvis St., Toronto, laying 6 in. c.i. water main, in Caledonia, Corby and Gilbert Rds., $6,975; Kane, Evart and Silverthorne Rds., $7,276; Keele St. and Weston Rd., $6,575; Rogers Rd., $2,154, to Grant Contg. Co., Manning Chambers, Toronto, Dufferin St., $5,805.

Sewers

PROPOSED WORK

N. Y., Harrison — City plans to build sewerage system. About $350,000. A. Potter, 50 Church St., New York City, engr.

Va., Winchester — See "Streets and Roads."

O., Youngstown—City plans to build 3½ mi. addition to Mill Creek Dist. sewer, involving 30-36 in. concrete pipe. About $200,000. G. F. Turner, City Hall, engr.

Mich., Detroit—City having plans prepared building lateral sewer 3,354 between Charleston, Exeter and Lantz Sts. and Seven Mile Rd.; 3,355 Exeter St., alley east of Derby St., Seven Mile Rd. and tracks of Grand Trunk R.R.; 3,360 Seven Mile Rd., Coventry, Lindale and Lantz Sts.; 3,361, tracks of Grand Trunk RR., John R., Coventry and Lantz Sts.; 3,362, State Fair, Okland, Hawthorne and Lantz Sts., 3,363, Seven Mile Rd., Lindale, Irvington and Lantz Sts.; 3,364, State Fair, Coventry, Irvington and Lantz Sts.; 3,365, State Fair, John R., Coventry and Lantz Sts.; 3,366, Cecil, Braden and Michigan Sts. and north of Horatio St.; 3,264, Fairview, Engel, Marsh and Edlie Sts.; all to be vitr. brick. C. W. Hubbell, city engr.

Mich., Lansing—City plans to build trunk outlet and sanitary sewerage system in southwestern section of city. About $150,000.

Ia., Ft. Dodge—City Council received no bids Sept. 21, building sanitary sewers in various sewers, involving 10,255 ft. 6-12 in. tile. Work will be readvertised later. C. H. Reynolds, Ft. Dodge, engr.

Minn., Red Wing—City election Nov. 2, to vote on $50,000 bonds for sewers, paving and fire protection.

Wyo., Casper—City election Nov. 2, to vote on $250,000 bonds to build several new sanitary sewer districts. Work includes concrete and vitr. pipe, flushtanks, earth trenching. F. S. Knittle, city engr.

Mo., Excelsior Springs—City voted $30,000 bonds to build disposal plant and main sewer, vitr. and c.i. pipe. Shockley Eng. Co., Kansas City, Mo., engrs. Noted Sept. 23.

Mo., Cameron—City having plans prepared building clay sewers in various streets. About $15,000. E. T. Archer Co., New England Bldg., Kansas City, Mo., engrs.

Ark., Atkins—See "Waterworks."

Okla., Miami—City had preliminary plans prepared for vitr. clay outfall sewer. About $150,000. J. B. Gibbs, clk. Hughes Eng. Co., 304 Bank Commerce Bldg., Tulsa, engrs.

Col., Denver—City receives bids about Feb. 1, building storm sewers, manholes and inlets, in 20 mi. North Denver Storm Sewer Dist. 2, involving 78 in. brick, rein.-con. or segmental block pipes and 90,000 ft. 10-24 in. vitr. pipe. About $513,692. J. B. Hunter, city engr.

Wash., Tacoma—City plans to build storm and sanitary sewerage system. About $199,407. J. C. Manley, Tacoma, engr.

Ont., London—City having plans prepared by H. A. Brazier, city engr., for 3 mi. sewer extension, involving 15,000 ft. 12-20 in. vitr. tile pipe. About $75,000.

Ont., Midland—Town having surveys made by E. A. James Co., Ltd., engrs., 36 Toronto St., Toronto, for vitr. sewer extensions. About $100,000.

BIDS DESIRED

N. Y., Syracuse—Until Nov. 8, by Syracuse Intercepting Sewer Bd., 104 City Hall, building extension to main intercepting sewer from Spencer to Hiawatha Sts., also auxiliary sewers and connections. H. J. Hamlin, sec.; advertised in this issue.

La., Rayville—Until Nov. 9, by Sewerage Comn. building sewerage system, involving 6,840 ft. 6/10 in. terra cotta pipe, 17 manholes, etc. Pipe and brick will be furnished by Sewerage Comn. C. W. Gaines, chn.

Ind., East Gary—Until Nov. 1, by C. P. Papka, clk., furnishing labor and material for building 9,397 lin.ft. 10-24 in. vitr. sewer in Sewer Dist. 1. About $44,763. Noted Sept. 2.

Kan., Stockton—Until Oct. 28, by city, building sanitary sewers in various streets, vitr. and c.i. pipe. About $65,000. E. T. Archer, New England Bldg., Kansas City, Mo., engr. Noted Oct. 7.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Mass., Boston**—Dept. Pub. Wks., City Hall Annex, let contracts constructing sewerage system in Alger St. (South Boston), to A. G. Tomasello, 69 Gibson St., Dorchester, $13,126; Baufield Ave. (Dorchester), to D'Addario & Booth, 49 Edwater Drive, Mattapan, $7,969.

★**Mass., Boston**—Pub. Wks. Dept., City Hall Annex, let contract constructing sewerage system in Lubec St. Outlet (East Boston), to A. Cefalo, 316 Belgrade Ave., Roslindale, $28,912; Itasco St. (Dorchester), to J. Guarino, 45 Brook Ave., Roxbury, $10,013.

N. Y., Ossining—C. F. Rattigan, supt. State Prisons, Captol, Albany, receive bids Oct. 13, building sewerage and water works systems, at Sing Sing Prison, here from C. Ippolito, 252 Main St., Orange, N. J., $442,471. Work involves 3,890 cu.yd. rock excav. and backfill from 12 to 20 ft. below present grade, at $21 per cu.yd., 4,760 cu.yd. from 6 to 12 ft. below present grade, $18, 4,300 cu.yd. from 0 to 6 ft. below present grade, $12, 103 cu.yd. earth excav. and backfill, 20 ft. and over below present grade, $10, 202 cu.yd. from 12 to 20 ft. below present grade, $9, 2,869 cu.yd. from 0 to 6 ft. below present grade, $5, all work other than excav. and backfill, $143,000. Noted Sept. 23.

W. Va., Charleston—City received bids building sewers in Alley E, Garvin, Beechwood, Hansford, Piedmont and Carr Sts. from G. B. Roberts, Charleston, $44,872; Reed & Lapsley, 7th Ave., South Charleston, $45,598; Brown & Floyd, 70 Lowenstein Bldg., $48,730.

★**Mich., Lansing**—City let contract furnishing labor building sanitary sewers in district north of Potter Park, to E. J. Noyce, Lansing. About $40,000. Tile, blocks and castings to be furnished by city.

★**Mich., Pontiac**—City let contract building Sects. 2 and 3, trunk sewers for relief system, to Foley & Riley, 634 1st Natl. Bank, Chicago, $108,701 and $94,189, respectively. Sect. 2 involves 996 ft. 48 in. sewer at $38 per ft., 1,794 ft. 42 in., $37, etc.; Sect. 3, 3,365 ft. 36 in., $27, etc. Sect. 4, to G. Pontarelli, 1452 Spruce St., Detroit, $69,139. Latter section involves 1,281 ft. 24 in. vitr. pipe, $14; 800 ft. 24 in. c. i. pipe, $28; 930 ft. 22 in. vitr. pipe, $11; 885 ft. 20 in. vitr. pipe, $11, etc. C. W. Hubbell, 2348 Penobscot Bldg., Detroit, engr.

★**Ia., Gilmore City**—City let contract building sewerage system, to Rude & Wold, Pomeroy, $85,099; disposal plant, to Phelps & Sons, Knoxville, $27,309.

★**N. D., Hankinson**—City let contract building sewerage system involving 26,709 ft. 8-15 in. vitr. pipe, 48 manholes, 1 septic tank and 1 sludge bed, to J. O'Connor Co., Fargo. About $82,000.

★**Cal., Fullerton**—City let contract building sludge tank, screening plant, pipe lines and channels, to W. Ledbetter, P. E. Bldg., Los Angeles, $17,374.

★**Ont., Hamilton**—City let contract building vitr. pipe sewers in Mary and Wentworth Sts., to Pub. Wks. Dept. City Hall, $26,860; Brock St. and Central Ave., to J. D. Armstrong, 138 Erie Ave., $9,895.

Bridges

PROPOSED WORK

N. H., Lebanon—Town plans to build concrete bridge on West Lebanon Rd., to replace Hubbard Bridge. Cost to exceed $25,000. H. B. Jackson, member bridge comn. Architect not selected.

Vt., Troy—Town and State Highway Dept., Montpelier, plan to build 3 span, 90 ft., rein.-con. highway bridge, here. H. M. McIntosh, c/o State Highway Dept., Montpelier, engr.

Mass., Westport—Town plans to build concrete and steel bridge over Westport River, between here and Horse Neck. Engineer not selected.

O., Cambridge—Guernsey Co., Pennsylvania R.R. and Baltimore & Ohio R.R., having sketches made for concrete and steel viaduct over Wills Creek and tracks of Pennsylvania R.R. and Baltimore & Ohio R.R., 700 ft. long, 24 ft. roadway, 5 ft. sidewalks on each side. About $200,000. Cost to be borne by county and railroads. Braun, Fleming, Knollman & Prior, 233 South High St., Columbus, engrs. Noted Sept. 23.

Kan., Hays—Ellis Co. plans to build Dreeling Bridge, 30 ft. long; Werth Bridge, 140 ft. long, to have seven 20 ft. low water spans; Candels Bridge, 60 ft. long, to have three 20 ft. low water spans. C. J. Loreditch, Hays, engr.

Kan., Holton—Jackson Co. plans to build 100 ft. bridge, 16 ft. wide, involving 43 cu. yd. rein.-con., 63,800 lb. steel in trusses, 14,700 lb. reinforcing steel in floor, also 60 ft. bridge, 16 ft. wide, involving 25.5 cu.yd. rein.-con., 26,000 lb. steel in trusses and 9,100 lb. reinforcing steel in floor. Superstructures only, abutments already in place. Bids with or without concrete floor. P. Wright, Holton, engr.

Cal., San Bernardino—City election Nov. 2, to vote on $60,000 bonds to repair concrete bridge over Lytle Creek, on Mt. Vernon Ave., and $15,000 bonds to repair 2 bridges over Warm Creek. W. L. Brown, city engr.

Bridges (Continued)

BIDS DESIRED

Va, Norfolk—Until Nov. 5 at office of City Manager, constructing Compostello Bridge over Elizabeth River. R. B. Preston, engr.; advertised in this issue.

S. C., Manning—Until Nov. 3, by Comrs. Clarendon Co., building creosoted timber bridges on Manning-Turbeville Rd., involving 133,018 ft. creosoted lumber, 7,120 lin. ft. creosoted piling, 8,779 lb. hardware, 1,808 sq.yd. of bituminous wearing surface; on Manning-Paxville Rd., 21,562 ft. creosoted lumber, 1,480 lin.ft. creosoted piling, 1,318 lb. hardware, etc. Lee, Pennell & Murray, Sumter, engrs.

Ga., Chatsworth—Until Nov. 3, by Bd. Supervs. Murray Co., building bridge over Sumac Creek, also earth and gravel roadway 9 mi. north of here. Work involves 6,500 cu.yd. borrow excav., 515 cu.yd. gravel surfacing, concrete deck girder bridge involves 162 cu.yd. Class "A" and 171 cu.yd. Class "B" concrete, 42,900 lb. reinforcing steel, etc. Luten Arch Bridge Co. has submitted design (which may be used as alternate for design submitted by State Highway Dept.), which involves 187 cu.yd. Class "A" and 283 cu.yd. Class "B" concrete, 15,350 lb. reinforcing steel, etc. J. M. Campbell, chn.

La., Jena—Until Nov. 1, by Comrs. La Salle Parish, building 31 steel bridges, varying in length from 14-90 ft., 15 ton capacity. Tenders will also be received for creosoted timber for above bridges and 3 carloads 15-36 ft. corrugated culverts. F.o.b. Jena, also in place.

Mich., Deroit—Until Oct. 30 (change of date), by Dept. Pub. Wks., furnishing labor and materials, tools, equipment and other means of construction, all preliminary and temporary structures for facilitating or protecting work necessary to build Belle Isle Bridge. J. A. Martin, comr.; advertised in this issue. Noted Sept. 23.

Mich, Detroit—Until Nov. 5, by Bd. Rd. Comrs., Wayne Co., 312 County Bldg., constructing substructure of 2 bridges over River Rouge, on Jefferson Ave., W. and Fort St., W. E N Hines, chn; advertised in this issue Noted May 20.

Tex., Ft. Worth—Until Nov. 4, by H. L. Small, judge Tarrant Co., building 112 ft. rein.-con., bridge, 20 ft. wide, on Highway 1, over Marys Creek, to have four 28 ft. spans. Work involves 47,546 lb. reinforcing steel, 291.7 cu.yd. Class "A" and 216 cu.yd. Class "C" concrete, etc. About $26,428. R. V. Glenn, co. engr.

Tex., Laredo—Until Oct. 29, by Laredo Bridge Co., at office of W. E. Simpson Co., consult. engrs., Hicks Bldg., San Antonio, building 820 ft. rein.-con. arch bridge, over Rio Grande River, between here and Nuevo Laredo, Mex.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★Pa., Brownstone—Phila. & Reading Ry., Reading Terminal, Phila., let contract building 30 ft. concrete and steel bridge, 70 ft. wide, over Berks and Dauphin Turnpike, near here, involving 1,145 cu.yd. rein.-con., 5,000 cu.yd. earth approach and fill, and 93 tons steel, to Bennett & Randall, Lebanon. About $50,000.

North Carolina—State Highway Comn., Greensboro, received bids building bridges and culverts on Federal Aid Project 98A, Moore Co., involving 1,886 cu.yd. Class "A" concrete, 246,260 lb. reinforcing steel, 4,680 lb. plates and bolts, 990 lin.ft. untreated timber piling, etc., from J. E. Lane & Co., Altavista, Va., $87,938; Stearns Bros., Statesville, $101,403; Lefter & Smith, Albemarle, $103,899. Noted Oct. 7.

★Ia., Bloomfield—Davis Co. let contract building 34 bridges, to Ottumwa Supply Constr. Co., Ottumwa, $105,155.

★Tex., Paris—Lamar Co. let contract building (1) rein.-con. bridges and culverts on Highway 19, involving 366 cu.yd. structural excav., 1,265.5 cu.yd. Class "A" and 362.4 cu.yd. Class "B" rein.-con., etc., (2) concrete and steel bridges on Highway 5, involving 127,679 lb. reinforcing steel, 1,402.4 cu.yd. Class "A," 183.8 cu.yd. Class "B" and 24.3 cu.yd. Class "C" concrete, to A. D. McClain Co., Houston, (1) $72,771, (2) $75,735, both including 10 per cent for engineering and contingencies. Noted Sept. 16, under "Streets and Roads."

Ariz., Wickenburg—State Highway Dept., Phoenix, received bids building two 100 ft. steel trusses for span across Hassayampa River, on Federal Aid Project 31, from Allied Constr. Co., Omaha, $17,398; El Paso Bridge Co., Phoenix, $18,197; Midland Bridge Co., 504 Ry. Exch. Bldg., Kansas City, Mo., $19,750. State will build concrete abutments, piers and floor, cost $28,900. Noted Sept. 9.

Streets and Roads

PROPOSED WORK

Massachusetts—State Dept. Pub. Wks., Div. Highways, Boston, plans to pave 5,000 ft. state highway, Oxford, and 1,250 ft. state highway, Barre, both bituminous macadam.

N. Y., New York—H. H. Curran, pres. Manhattan Boro., rejected bids Sept. 15, improving 54th St. and West End Ave. from 76th to 91st Sts. and from 69th to 72nd Sts. Work will be readvertised Noted Sept. 23.

N. Y., Syracuse—City plans to pave 1,365 ft. East Adams St., 30 ft. wide, asphalt. About $56,870. H. D. Allen, City Hall, engr.

Pennsylvania—State Highway Dept., Harriburg, received no bids Oct. 13, repaving 26,106 ft. Route 76, Hopewell Twp., Beaver Co.; 16,137 ft. Route 181, Somerset and Nottingham Twps., Washington Co. Noted Sept. 23.

Maryland—State Rd. Comn., 601 Garrett Bldg., Baltimore, rejected bids received, paving following state highways; between Morgantown and Allegany, Allegany Co.; from Haughs Blacksmith Shop to Ijamsville, and Monocacy River to Hopeland, Frederick Co.; from Grove to Fowling Creek, Caroline Co.; from Defense Highway to Anne Arundel Co. line, Prince Georges Co.; from Philadelphia Rd. to Little Gunpowder Falls, Harford Co.; East-on-Claiborne Rd. from Libscombs Gate to Royal Oak, Talbot Co.; from Showell to Delaware State line, Worcester Co.; end of Contr. 520 to New Windsor, Carroll Co. and through Princess Anne Twp., Somerset Co., also Hereford and Falls Rds., Baltimore Co., and Central Ave. to Halls Sta., Prince Georges Co. Work will be readvertised about Jan. 1. Noted Sept. 9, 12, 16, 23 and 30.

Va., Winchester—Town plans to pave, also build sewers and water mains in various streets. About $250,000. Norton, Bird & Whitman, 616 Munsey Bldg.; Baltimore, engrs.

North Carolina—State Highway Comn., Raleigh, preparing plans for improving 4.59 mi. road beginning 1 mi. north Mathews to Mecklenburg-Union Co. line, Federal Aid Project 55 B, 18 ft. wide, Mecklenburg Co. Work includes 46,000 sq.yd. penetration macadam, clearing and grubbing, excavating, rebuilding old macadam base and building new broken stone base. About $165,000. W. S. Fallis, state highway engr.

Fla., Clearwater—Comrs. Pinellas Co. plan to pave and widen (from 9 to 16 ft.) 45 mi. road from Clearwater to Safety Harbor, Oldsmar, Hillsborough Co. line and St. Petersburg.

Fla., Cocoanut Grove—See "Miscellaneous."

Fla., Pensacola—Escambia Co. voted $2,000,000 bonds to build brick and concrete roads and bridges. Work includes 18 mi. road to gulf beach. State and Federal Government will appropriate $1,000,000 toward above project.

Tenn., Livingston—Overton Co. voted $150,000 bonds to build various state and Federal aid roads.

O., Columbus—City plans to pave 3d St. from Livingston Ave. to Naghten St., cost $200,000; Front St. from Town St. to viaduct, $200,000; Main St. from Allan St. to Alum Creek, $200,000; West Broad St. from Sandusky to Anson Sts., $60,000; North High St. from Buttles to 5th Aves., $150,000. H. Maetzel, city engr.

O., Toledo—Lucas Co. plans to pave ½ mi. Clinton St., 24 ft. wide, cost $52,700; 1 mi. Douglas Rd., 16 ft. wide, concrete, $39,400; ¾ mi. Hill Ave., 16 ft. wide, concrete, $26,600.

O., Warren—Trumbull Co. plans election to vote on $25,000 bonds to pave 2.352 ft. Sect. A Deal South Rd., 16 ft. wide, Warren Twp., vitr. brick; $104,000 bonds for 8.654 ft. Niles-Warren River Rd., 18 ft. wide, Weathersfield Twp., vitr. brick; $45,000 bonds for 14,525 ft. Sect. G. G. Bloomfield-Kinsman Rd., 14 ft. wide, Greene and Gustavus Twps., bituminous macadam; $125,000 bonds for 23,315 ft. Sect. A, B and C, Youngstown-Kingsville Rd., 14 ft. wide, Fowler Twp., bituminous macadam; $60,000 bonds for 9,847 ft. Sect. Br. A and S S-D, Brookfield South East-Stewart-Sharon Rd., 16 ft. wide, Brookfield Twp., bituminous macadam; $118,000 bonds for 21,188 ft. Sect. A, B, C, D and E Chestnut Ridge Rd., 14 ft. wide, Hubbard Twp., bituminous macadam; $35,000 bonds for 6,000 ft. Sect. F and G, Youngstown-Kingsville Rd. (Churchill north), 16 ft. wide, Liberty Twp., bituminous macadam; $55,000 bonds for 14,531 ft. Sect. C, D, E and F, Salt Springs-Youngstown Rd., 12 ft. wide, Weathersfield Twp., bituminous macadam; $65,000 bonds for 12,938 ft. Sect. C, D and E, Bailey-Leavittsburg-Johnson Rd., 16 ft. wide, Warren Twp., concrete. R. E. Hempel, 211 Scott St., engr.

Michigan—State Highway Dept., Lansing, soon receives bids grading and draining 8 mi. Federal Aid Rd. 43, Sect. C, east end of Muskegon-Casnovia Rd., Muskegon Co.; 14 mi. State Trunk Line Rd. 21-13, Port Huron-Imlay City Rd., St. Clair Co. F. F. Rogers, state highway comr.

Mich., Detroit—City plans to grade, shape and pave with asphaltic concrete on concrete foundation, Amherst, berea or medina curb stone, Amherst St. from Junction Ave. to Cavalry St., Belletree St. from Grand River Ave. to Collingwood St., Chenlot St. from Belletree to Nardin Sts., Dailey St. from Grand River Ave. to Northfield St., 14th St. from Leslie to Indiandale Sts., Ivanhoe St. from Northfield to Colfax Sts., McQuade St. from Joy to Calvert Sts., Marlborough St. from Charlevoix St. to Mack Ave., Quincy St. from Joy Rd. to proposed extension of Boston Blvd., 30th St. from Milford to Moore Sts., Threadway St. from Crane to Holcomb Sts., Turner Pl. from Forest to Garfield Sts., Wilson St. from Edison to Longfellow Sts.; 1 course concrete with 2 x 6 in. retaining plank alley between Bellevue, Concord, Mack and Pulford Sts., between Connors, Tennessee, Jefferson and Freud Sts., between Crane, Rohns and Lambert Sts. and Harper Ave., between Ellery, Forest and Grafield Sts. and Heck Pl., between Fisher and Crane Sts.; also Forest and Warren Aves., between Jos. Campau, McDougal, Sherman and Maple Sts., between Montclair, Lemay, Edlie Sts. south to Lot 34, between Oakland, Goodwin, Lynn and Caniff Sts., between 2d, Cass, Antoinette and Colburn Sts., between Seyburn, Van Dyke, Warren and Gratiot Sts. Streets 26 ft. wide and alleys 18-20 ft. wide. C. W. Hubbell, city engr.

Minn., Red Wing—See "Sewers."

Kan., Cimarron—Gray Co. rejected bids Sept. 21, grading and graveling 5.796 mi. Santa Fe Trail Rd. About $74,725. Work will be readvertised W. Barton, Cimarron, engr. Noted Sept. 9.

Kan., Columbus—Cherokee Co. soon receives bids improving and building bridges on 3.07 mi. Spring Valley Rd., involving 13,205.8 cu.yd. concrete, 38,553 cu.yd. earth and 21,062 cu.yd. rock excav., 17,383 lb. reinforcing steel, 213.33 cu.yd. Class "A" and 218.89 cu.yd. Class "C" concrete. C. M. Cooper, Columbus, engr.

Kan., Concordia—Cloud Co. had plans prepared grading, paving and building culverts and bridges on 37 mi. road from Glasco to county line, 16 and 18 ft. wide, concrete. Tuttle, Ayres & Woodward, Reliance Bldg., Kansas City, Mo., engrs.

Kan., Fredonia—Wilson Co. plans to gravel 2.33 mi. Fall River Rd., 16 ft. wide. About $30,000. C. P. Donald, Fredonia, engr.

Kan., Salina—Saline Co. plans to grade and build culverts on 1,989 mi. Meridan Highway, Federal Aid Project 69, 18 ft. wide. About $28,000. W. H. Cost, Salina, engr.

Missouri—State Highway Dept., Doniphan, received no bids Oct. 9 building 14.45 mi. Doniphan-Alton Rd. (Pine-Barclay Special Rd. Dist.) 24 ft. wide, Federal Aid Project 21, Ripley Co., cost $50,117; rein.-con. skew slab superstructure and 1 concrete pier, on Sta. 735 plus 90, on above project, $6,905. Noted Sept. 30.

Mo., Carthage—Jasper Co. plans to gravel and build concrete culverts on 7 mi. Carthage-Springfield Rd. About $30,000. F. B. Newton, Carthage, engr.

Mo., St. Louis—City plans to pave 2,300 ft. strip of ground added to roadway on each side of Washington Ave. from 12th to 18th Sts., 6 ft. wide, involving 1,533 sq. yd. wood block, cost $26,900; improving 6,200 ft. Oakland Ave. from Kingshighway to Clayton Blvd., 50 ft. wide, 34,444 sq.yd. asphalt pavement, $139,500, bitulithic, $138,600, or bituminous macadam, $104,550; reconstructing 2,400 ft. Easton Ave. between Marcus Ave. and Kingshighway, 21,333 sq. yd. asphalt pavement, $47,450, recut granite block, $51,700, or wood block, $63,650; 1,975 ft. Compton Ave. from Laclede to Lucas Aves., 60 ft. wide, 13,166 sq.yd. brick pavement $25,850, asphalt, $20,650, or granite block, $37,950; repaving 12th St. from Russell to Park Aves., 80 ft. wide, 27,466 sq.yd. brick, $107,400, bitulithic, $104,550, or wood block, $137,450. W. W. Horner, city engr.

Tex., Quitman—Wood Co. having plans prepared grading, surfacing and draining 4.57 mi. Highway 15 from Mineola to Smith Co., involving 7 acres clearing and grubbing, 31,190 cu.yd. unclassified earth

Streets and Roads (Continued)

excav., 17,396 lb. reinforcing steel, 6,862 cu.yd. gravel, 164.5 cu.yd. Class "A" and 48 cu.yd. 1:3:6 concrete. About $72,696. S. B. Davis, co. engr.

Colorado—State Highway Dept., Denver, received no bids Oct. 11, grading and gravel surfacing 4.8 m. Florence-Cripple Creek Rd., 16 ft. wide, Federal Aid Project 52, Teller Co., cost $21,480; grading and shale surfacing 1.8 mi. Rifle-Meeker Rd., 16 ft. wide, Federal Aid Project 128, Rio Blanco Co., $15,766. J. E. Maloney, State Museum Bldg., Denver, engr. Noted Sept. 30.

Col., La Junta—City will probably open bids about Jan. 1, paving 4,700 ft. Colorado and Santa Fe Aves., Cross, 1st, 2nd and 3rd Sts., 40-70 ft. wide, concrete, bitulithic or asphaltic concrete. F. F. Lewis, city engr. W. E. Baldry, 1106 West 13th St., Topeka, Kan., consult. engr.

Oregon—State Highway Comn., Multnomah Co. Court House, Portland, rejected bid received Sept. 28, grading 12.05 mi. Kamela-Hilgard Sect. Old Oregon Trail, Union Co. H. Nunn, state highway engr. Noted Sept. 23.

Ont., Hamilton—City plans to lay wood block pavemnt on 1 street, cost $42,000; asphalt on 5 streets, $88,000. Work involves 30,000 sq.yd. pavement on concrete base. E. R. Gray, city engr.

Ont., Niagara Falls—Queen Victoria, Niagara Falls Parks Comn., making surveys and plans for extending river driveway from here to Niagara-on-the-Lake, 35 mi. from here, macadam. About $1,250,000.

Ont., Ottawa—City soon receives bids building 4,500 sq.yd. asphalt pavement and 2,500 lin.ft. concrete curb and gutter. About $25,000. A. F. Macallum, city engr.

BIDS DESIRED

New York—Until Oct. 29, by F. S. Greene, Comr. State Highway Comn., 55 Lancaster St., Albany, improving and completing highways in Albany, Chautauqua, Erie, Greene, Montgomery, Oneida, Otsego, Seneca, Ulster, Westchester and Yates Counties; advertised in this issue.

N. Y., Brooklyn—Until Oct. 27, by E. Riegelmann, boro. pres., relocating tracks and rails on Bath Ave., from Bay 19th St. to 21st Ave.; regulating, paving and repaving with permanent asphalt pavement on 6 in. concrete foundation roadway of Bath Ave. from Bay 19th St. to 21st Ave., roadway of Linden St. from Knickerbocker to Myrtle Aves., roadway of 72nd St. from 3rd to 6th Aves., 73rd St. from 4th to 6th Aves. and 6th Ave. from 71st to 73rd Sts.; 3 in. asphalt block pavement on concrete foundaton, roadway of 72nd St. from 3rd to 6th Aves., 73rd St. from 4th to 6th Aves. and 6th Ave. from 71st to 73rd Sts.

N. Y., Long Island City—Until Oct. 29, by M. E. Connolly, pres. Queens Boro., 68 Hunterspoint Ave., regulating and repaving with asphaltic concrete pavement together with all incidental work, Cooper Ave. from Myrtle Ave. to Montauk Div. of Long Island R.R., Shell Rd. from 90th St., Elmhurst, to Jackson Ave.; Strongs Causeway from Colonial Ave. to North Hempstead Turnpike; Rockaway Blvd. from Eastern to 5th Aves.; and from Nortons Creek to Cronins Crossing. Noted Oct. 7.

N. C., Pittsboro—Until Nov. 8, by Comrs. Chatham Co., building 24 mi. road from Cape Fear Twp. line, via Lexington, to Durham Co line and via Bells Church to Durham Co. line. Cost to exceed $100,000. W. H. Ferguson, chn. L. V. Edwards, Winston-Salem, engr

Ga., Chatsworth—Until Nov. 3, by Bd. Supervs. Murray Co., building 6.6 mi. Dalton Chatsworth Rd., Federal Aid Project 178. Work involves 4.5 acres clearing and grubbing, 36,500 cu.yd. common, 1,500 cu. yd. borrow and 1,610 cu.yd. rock excav., 151 cu.yd. Class "A," 194 cu.yd. Class "B" and 62 cu.yd. Class "C" concrete, 15,000 lb. reinforcng steel, 1,463 lin.ft. 15-24 in. culvert pipe, 99 cu.yd. cement concrete headwalls and 18,100 cu.yd. top soil surfacing. J. M. Campbell, chn.

Alabama—Until Nov. 10, by W. S. Keller, state highway engr., Montgomery, grading, draining and surfacing 18.878 mi. state trunk road between Guntersville and Boaz, 24 ft. wide, Marshall Co., involving 176,500 sq.yd. 2 in. penetration, bituminous macadam, 38,000 cu.yd. rock, 30,000 cu.yd. earth and 22,500 cu.yd. borrow excav., 53,700 lb. deformed steel, 39,200 cu.yd. crushed stone base, 25,000 ft. lumber in bridges, 1,657 lin.ft. 15-24 in. D. S terra cotta pipe, 17 acres clearing and grubbing, etc. About $600,000. Noted Oct. 14.

Ala., Birmingham—Until Nov. 12, by Bd. Revenue Jefferson Co., surfacing 10 mi. Leeds Highway from Irondale to Leeds, 20 ft. wide, chert; 13 mi. Old Arkadelphia Rd. from end of present macadam via Olive to Corner School, 20 ft. wide, chert or macadam. S. R. Batson, Jefferson Co. Bank Bldg., co. engr.

La., Arcadia—Until Nov. 8, by Bienville Parish, building 17.37 mi. highway, involving 68 acres clearing, 31 acres grubbing, 45,860 cu.yd. excav., 140,120 cu.yd. embankment, 27,390 cu.yd. gravel, etc. G. R. Wilson, Arcadia, engr.

Ohio—Until Oct. 26, by State Highway Dept. at office of Comrs. Scioto Co. (Portsmouth), grading, paving, constructing bridges and culverts on 1.997 mi. Sect. B, Portsmouth-Oakhill Rd., 16 ft. wide, monolithic brick, cost $96,861; 1.794 mi. Sect. A-3 Portsmouth-Jackson Rd., 16 ft. wide, monolithic brick, $94,894; 2.998 mi. Sect. B-1, Portsmouth-Lucasville Rd., 16 ft. wide, waterbound gravel, $48,892. Noted Aug. 26.

Indiana—By Bd. Co. Comrs. building roads in following counties:

Oct. 28, Vanderburgh Co., Evansville, Lower West Franklin Rd., Perry Twp., rock and gravel; Henry Schutte et al. Rd., Perry Twp., rock and gravel. W. M. Copeland, aud.

Oct. 30, Bartholomew Co., Columbus, 5,540 ft. Ogilvie Rd. on line between Jackson and Ohio Twps., gravel. R. Henderson, aud.

Nov. 1, Dearborn Co., Lawrenceburg, 14,120 ft. W. Walker et al. Rd. A. E. Jackson, aud.

Jasper Co., Rensselaer, W. Herman et al. Rd., Walker Twp.; Claude Spencer et al. Rd., Milroy Twp. S. C. Robinson, aud.

Michigan—Until Oct. 29, by State Highway Dept., at dist. office, Haskins Blk., Cadillas, grading, draining and surfacing 3.757 mi. State Trunk Line Rd. 20-1, 16 ft. wide, Osceola Co., involving 18,951 cu.yd. earth excav., 33,491 sq.yd. gravel surface, etc.; 1.963 mi. State Trunk Line Rd. 20-7, Sect. C, 16 ft wide, Clare Co., 7,652 cu.yd. earth excav., 18,424 sq.yd. gravel surface, etc.

Mich., Harrisville—Until Oct. 29, by Bd. Rd. Comrs. Alcona Co., grading, draining and surfacing 7.915 mi. Federal Aid Project 33, Sects. C and D, involving 33,292 cu.yd. earth excav., 74,292 sq.yd. gravel, 1,219 lin.ft. pipe culverts, etc.

Mich., Newaygo—Until Oct. 29, by Bd. Rd. Comrs. Newaygo Co. (White Cloud), grading and draining 4.515 mi. State Trunk Line Rd. 54-5, Sects. B, C and E, involving 94,243 cu.yd. earth excav., 120 cu.yd. concrete in culverts

Mich., Stanton—Until Nov. 3, by Bd. Rd. Comrs., Montcalm Co., grading, draining and surfacing 6.145 mi. State Trunk Line Rd. 85-1, 16 ft. wide, involving 31,138 cu.yd. earth excav., 57,685 sq.yd. gravel surface, 803 lin.ft. pipe culverts, etc.

Kan., Lawrence—Until Nov. 6, by G. C. Grune, clk. Douglas Co., grading and paving 8 mi. Old Santa Fe Trail, concrete. B. S Wolfe, co-engr.

Kan., Oskaloosa—Until Nov. 15, by Jefferson Co., graveling, grading and building bridges on 6 mi. Golden Belt Highway, 20 ft. wide, cost $85,000; grading and building culverts on 15 mi. Oskaloosa and Nortenville Rd., 30 ft. wide, $120,000. W. M. Irwin, Oskaloosa, engr.

Kan., Salina—Until Nov. 12, by Saline Co., grading and building culverts on 1.898 mi. Meridan Trail, Federal Aid Project 69a, 30 ft. wide. About $25,000. W. H. Cost, Salina, engr.

South Dakota—Until Oct. 25, by State Highway Comn., at office of Sanborn Co., Woonsocket, grading and draining 12.18 mi. Howard-Woonsocket-Wessington Springs Rd., 36 ft. wide, Federal Aid Project 50, Sanborn Co., involving 24,941 yd. sta. overhaul excav., 91,252 cu.yd. excav., 2,092 lin.ft. rein.-con. or corrugated iron pipe, 6,584 lb. reinforcing steel, 95 cu.yd. Class A and 112 cu.yd. Class B concrete, etc. About $90,000. F. W. Schreiber, Pierre, state highway engr.

South Dakota—Until Oct. 25, by State Highway Comn., at office of Jerauld Co., Wessington Springs, grading and draining 16.31 mi. Woonsocket, Wessington Springs-Gonn Valley Highway, 36 ft. wide, Federal Aid Project 38, Jerauld Co., involving 50,525 yd. sta. overhaul excav., 108,594 cu.yd. excav., 1,334 lin.ft. rein.-con. or corrugated iron pipe culverts, 800 cu.yd. Class A, 106 cu.yd. Class B and 6 cu.yd. handrail concrete, 78,000 lb. reinforcing and 35,000 lb. structural steel, etc. About $132,000. F. W. Schreiber, Pierre, state highway engr.

South Dakota—Until Oct. 26, by State Highway Comn., at office of Bon Homme Co. (Tyndall), grading and draining 12.94 mi. Tyndall-Lake Andes Rd., 36 ft. wide, Federal Aid Project 38, Bon Homme Co., involving 24,690 yd. sta. overhaul excav., 54,962 cu.yd excav., 1,322 lin.ft. concrete or corrugated iron pipe, 2,295 cu.yd Class A and 98.5 cu.yd. Class B concrete, 24,27 lb. reinforcing and 36,768 lb. structural steel, etc. About $73,100. F. W. Schreiber, Pierre, state highway engr.

South Dakota—Until Oct. 26, by State Highway Comn., Lake Andes, grading and draining 4.26 mi. Lake Andes-Platte-Chamberlain Rd., 36 ft. wide, Federal Aid Project 68, Charles Mix Co., involving 4,446 yd. sta., overhaul excav., 27,781 cu.yd excav., 126.5 cu.yd. Class A, 8.6 cu.yd Class B and 12 cu.yd. Class D concrete, 10,060 lb, reinforcing and 4,926 lb. structural steel, etc. About $29,000. F. W Schreiber, Pierre, state highway engr.

South Dakota—Until Oct. 27, by State Highway Comn., at office of Clay Co., Vermilion, grading and draining 13.03 mi. Yankton-Vermilion Rd., 36 ft. wide, Federal Aid Project 67, Clay Co., involving 161,797 cu.yd common and 44,247 yd. sta. overhaul excav., 1,280 lin.ft. 18 in. tile under drain, 1,07 lin.ft. concrete or corrugated iron pipe culverts, 3,759 lb. reinforcing steel, 44.6 cu.yd Class A and 589 cu.yd. Class B concrete, etc. About $110,000. E. W. Schreiber, Pierre, state highway engr. Noted Sept. 23.

South Dakota—Until Oct. 27, by State Highway Comn., Yankton, grading and draining 13.11 mi. Yankton-Vermilion Rd., 36 ft. wide, Federal Aid Project 65, Yankton Co., involving 4,092 yd. sta. overhaul and 93,044 cu.yd. excav., 1,917 lin.ft. concrete or corrugated pipe culverts, 16,517 lb. reinforcing steel, 168.2 cu.yd. Class A and 132.3 cu.yd. Class B concrete, etc. About $81,700. F. W. Schreiber, Pierre, state highway engr. Noted July 29.

Tex., Anahuac—Until Nov. 8, by J. F. Wilson, judge Chambers Co., grading, surfacing, draining and building trestle on 11.35 mi. Highway 35 from here to Liberty Co., involving 23.41 acres clearing and grubbing, 78,799 cu.yd. borrow and 5,929 cu.yd earth excav., 41,634 lb. reinforcing steel, 24,427 cu.yd. shell surfacing, 490.6 cu.yd Class "A" and 14.23 cu.yd. Class "B" concrete. About $129,709. H. J. Walger, Orchard, engr. Noted Sept. 30.

Tex., Cameron—Until Oct. 28, by W. C. Gellis, judge Milam Co., grading, surfacing and draining 8.769 mi. Temple Rd., Highway 36, involving 40,816 cu.yd. borrow excav., 35,534 lb. reinforcing steel, 374 cu yd. 1:2:4, 14.4 cu.yd. 1:2½:5, 69.15 cu.yd. 1:2:3½ and 21.56 cu.yd. 1:3:6 concrete. About $68,669. A. F. Mitchell, co. engr.

Tex., Ft. Worth—Until Nov. 4, by H. L. Small, judge Tarrant Co., grading and draining 6.824 mi. Highway 1, Kutemans Cut-off Rd., involving 6,488 cu.yd. borrow, 57,223 cu.yd. earth, 14,452 cu.yd. loose rock and 500 cu.yd. solid rock excav., 4,664 cu yd. native stone base, 616.9 cu.yd. Class "A" concrete, etc. About $108,855. R. V. Glenn, co. engr.

Tex., Fredericksburg—Until Nov. 11, by A. H. Kneese, judge Gillespie Co., grading, surfacing and draining 9.99 mi. Highway 9 from here to Kendall Co. line, 16 ft. wide, involving 7.75 acres clearing and grubbing, 20,930 cu.yd. earth borrow, 18,080 cu.yd. earth, 75 cu.yd. rock, 106.5 cu.yd. wet and 284.4 cu.yd. dry excav., 33,434 lb. reinforcing steel 302.45 cu.yd. Class "A" 288.84 cu. yd. Class "B" and 156.27 cu.yd. 1:2:3½ concrete. About $92,138. A. F. Moursand, Fredericksburg, co. engr.

Col., Colorado Springs—Until Jan. 5, by city, paving Cascade Ave., cost $280,753; Colorado Ave., $232,874; Nevada Ave., $197,183; Platte Ave., $237,786; Colorado Ave., $200,000, total length 8 mi. Bids will be received on Warrenite bitulithic on 4 in. compressed stone base, Warrenite bitulithic on 5 in. concrete base, asphaltic concrete on 6 in. concrete base, sheet asphalt on 6 in. concrete base, 1 in. binder and 6 in. Portland cement pavement. F. F. Mallon, city engr. Noted Oct. 7.

Cal., Visalia—Until Nov. 3, by G. R. Prestidge, clk. Bd. Supervs. Tulare Co., building 3.37 mi. highway from Sect. 31, T 16 S. R 24 E., M. D. B. & M. to south line of city of Dinuba, also 4.31 mi. from Sect. 15, T 16 S. R 24 E., M. D. B. & M. to south line of Sect. 35, involving 7,412 cu.yd. concrete and 13,666 cu.yd. grading.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Maine**—State Highway Dept., Augusta, let contract paving state highway, gravel, Littleton, to Greenwood Constr. Co., Skowhegan, $117,987.

★**Mass., Dorchester** (Boston P. O.)—Dept. Pub. Wks., City Hall Annex, Boston, let contract paving Pleasant St., asphalt, to F. J. Burke, 36 St. Margaret St. About $25,000.

Streets and Roads (Continued)

★**Mass., Hyde Park** (Boston P. O.)—Dept. Pub. Wks., City Hall Annex, Boston, let contract paving River St., asphalt, to Central Constr. Co., 228 Southampton St., Roxbury. About $25,000.

N. Y., Brooklyn—E. Reigelmann, Boro. Pres., received bids Oct. 13 (a) relocating car tracks and rails on Bath Ave., (b) regulating and paving with asphalt pavement Bath Ave., 21st to 35th Sts., (c) regulating and grading 86th St., Stillwell to Gravesend Aves., (d) regulating, grading, curbing and laying sidewalks on 86th St., Stillwell to Gravesend Aves., (e) regulating and laying sidewalks in and adjacent to Borough Hall, from Eastern Contg Co., (a) $5,045; F. J. Gallagher, 490 Park Pl., (a) $6,030; Angel & Kavanaugh, (a) $8,717; Consolidated Asphalt Co., 52 9th St., (b) $60,949; Brooklyn Alcatraz Asphalt Co., 407 Hamilton Ave., (b) $62,197; Uvalde Asphalt Paving Co., 1 Bway, New York City, (b) $62,790; P. J. Donovan, 30 Church St., New York City, (c) $25,524; B. Turacamo, (c) $26,808, (d) $8,402; Grimm Constr. Co., (c) $34,688, (e) $10,476; Cassel Bros., (d) $9,853; J. Pallidino, (d) $10,421; F. Percicano, (e) $11,660. Noted Oct. 7.

★**N. Y., New York**—H. Bruckner, pres. Bronx Boro., let contracts regulating and grading West 230th and East 180th Sts., to I. F. Cavalluzzo, $3,959 and $4,606 respectively; Guion Pl., to M. Del Balso, 1434 Bryant St., $6,556; West 190th St., to F. Schneider, Bronx River, $16,345; Britton St., also sewer in Carlisle Pl., to De Angelo Contg. Co., $11,852 and $3,658 respectively; Bronx Park Ave., Van Buren and Fillmore Sts., to J. L. Brusstar, Harlem River and 150th St., $24,600, $23,610 and $14,775 respectively; Faile St. and Morris Ave., to Asphalt Constr. Co., 2197 Madison Ave., $17,762 and $9,116 respectively; Post Rd., to Spadero Contg. Co., 827 East 217th St., $14,180. Noted Oct. 7.

★**N. Y., New York**—H. H. Curran, pres. Manhattan Boro., let contract regulating and repaving Murray St., to P. J. Kearns, 2306 Creston Ave., $79,735; East 97th St., to Asphalt Constr. Co., 2197 Madison Ave., $23,729; East 39th St., to Hastings Paving Co., 25 Broad St., $13,343. Noted Oct. 7.

N. Y., New York—H. H. Curran, pres. Manhattan Boro., received bids Oct. 18, regulating and repaving with concrete (a) 2nd Ave. from 4th to 5th Sts., sheet asphalt, (b) Lexington Ave. from 116th to 125th Sts., wood block, (c) 125th St. from 1st to 2nd Aves., (d) 125th St. from 2nd to 3rd Aves., granite block, (e) Washington St. from Murray to Morton Sts., (f) East 24th St. from 1st Ave. to Ave. A, (g) 125th St. from 1st to 2nd Aves., (h) 125th St. from 2nd to 3rd Aves., (i) Lexington Ave. from 130th to 131st Sts., from Burnside Contg. Co., 270 Burnside Ave., (a) $12,969, (f) $29,085, (g) $44,232, (h) $41,396, (i) $9,698; W. J. Fitzgerald, 150 Nassau St., (b) $62,-164, (c) $49,360, (d) $43,821; J. L. Brusstar, Harlem River and 150th St., (b) $65,885; Uvalde Asphalt Paving Co., 547 West 45th St., (b) $66,482; P. J. Kearns, 2306 Creston Ave., (c) $46,004, (d) $41,-727, (e) $219,112, (f) $31,621, (g) $44,274, (h) $41,596, (i) $9,974; O'Rourke Constr. Co. 1476 Bway, (e) $218,413; Asphalt Constr. Co., 2197 Madison Ave. (e) $234,631, (i) $10,642; C. Hellbock, (f) $30,242, (g) $43,111, (h) $40,620. Noted Oct. 14.

N. Y., New York—G. A. Whalen, Comr. Plant & Structures, Municipal Bldg., received bids Oct. 14, altering Bowery, Bayard and Canal Sts., at Manhattan Bridge Plaza, from Burnside Contg Co., 270 Burnside Ave., $14,690; Astoria Constr. Co., $15,770; P. J. Kearns, 2306 Creston Ave., $16,660.

Pennsylvania — State Highway Dept., Harrisburg, received bids Oct. 13, repaving roads in counties as follows

Allegheny Co., 3,606 ft. Route 70, Chesswick Boro., 1 course rein.-con., from P. J. Ridge Sons Co., 5638 Rippey St., Pittsburgh, $116,485; J. J. Ryan, 1550 Fallowfield Ave., Pittsburgh, $122,424; Martin Brick & Paving Co., Inc., Glassmere, $126,154.

Beaver Co., 3,641 ft. Application 1,236, Economy Twp., 1 course rein.-con. or vitr. brick, from J. B. Reed Co., 550 Bway, McKees Rocks, $59,849. J. C. Devine Co., Alliance, O., $76,619, McDonough & O'Toole, 3032 Landis St., Pittsburgh, $79,039; 4,375 ft. Application 1,237, East Rochester and Freedom Boros., 1 course rein.-con. or vitr. brick, from J. B. Reed Co., $77,211, J. C. Devine Co., $95,012, S. B. Markley, New Brighton, $96,149; 11,097 ft. Application 1,238, Rochester Twp., 1 course rein.-con. and Hillside vitr. brick, from S. B. Markley, $148,322.

Blair and Huntingdon Counties, 4,168 ft. Route 55, Tyrone, Spruce Creek and Morris Twps., 1 course rein.-con., from L. E. Kelly, 189 Montague St., Brooklyn, N. Y., $211,-523; Finn & Son, Inc., Mapleton Depot, $241,836.

Bucks Co., 7,453 ft. Route 150, Tullytown Boro., 1 course rein.-con., from B. Foster Co., 20th and Venango Sts., Phila., $117,371; Pennsylvania Eng. & Constr. Co., Real Estate Bldg., Phila., $118,821; Sutton Contg. Co., 1207 Vine St., Phila., $136,807.

Chester Co., 8,917 ft. Route 142, Downington Boro., 1 course rein.-con., from Souder Constr. Co., 349 Woolworth Bldg., Lancaster, $131,224; W. C. Evans, Ambler, $131,902; Fish-Rutherford, Inc., 702 Real Estate Trust Bldg., Phila., $136,231.

Clinton Co., 4,265 ft. Route 58, Flemington Boro., 1 course rein.-con. or bituminous surface course on concrete foundation and Hillside vitr. brick, from Hughes & Phillips, Clearfield, $78,966; F. Murphy, 2635 West Chestnut Ave., Altoona, $82,747; G. J. Thompson & Co., Boro Bldg., Clearfield, $87,692.

Erie Co., 6,253 ft. Routes 86 and 272, Fairview Boro., 1 course rein.-con., from Penn Constr. Co., 23 Penn Bldg., Erie, $98,059; C. H. Fry Constr. Co., Cherry and 19th Sts., Erie, $108,226, also 25,061 ft. Authorizations 401, 402 and 410, North East and Greenfield Twps., 1 course rein.-con., from Warren Bros. Co., 142 Berkeley St., Boston, $254,083; J. Roth (doing business as Good Roads Constr. Co.) 1117 State St., Erie, $266,135; F. L. Cohen, Inc., 1002 Prudential Bldg., Buffalo, $298,573.

Indiana Co., 14,400 ft. Route 68, White and Center Twps., 1 course rein.-con., from McCrady Bros. Co., 6th St., Braddock, $248,648.

Luzerne Co., 4,459 ft. Route 11, Dorranceton Boro., bituminous surface course on concrete foundation, from H. B. Sproul Constr. Co., 218 Adams Ave., Scranton, (Spec. "A")$109,467; Hastings Pavement Co., 25 Broad St., New York City, (Spec. "F") 126,462; Hamilton Kapneck Constr. Co., 1365 Ridge Ave., Phila., (Spec. "F") $171,547.

Lycoming Co., 2,835 ft. Route 176, Limestone Twp., bituminous macadam (penetration method), from R. J. DeLong, 229 West 4th St., Williamsport, 44,696; W. J. Gephart, Linden, $58,340.

Montgomery Co., 45,512 ft. Route 178, Upper and Lower Gwynedd, Whitpain, East Norriton Twps. and North Wales Boro., 1 course rein.-con., from Union Paving Co., 30th and Locust Sts., Phila., $530,860; Claiborne, Johnston & Co., Inc., 910 Garrett Bldg., Baltimore, $559,296; W. C. Evans, Ambler, $567,224.

Northampton Co., 6,317 ft. Route 166, East Bangor Boro. and Washington Twp., 1 course rein.-con. and Hillside vitr. brick, from R. D. Richardson Constr. Co., 828 Connell Bldg., Scranton, $116,131.

Somerset Co., 2,998 ft. Route 51, Berlin Boro, 1 course rein.-con., from Keller & Ferner, Somerset, $58,810.

Washington Co., 22,845 ft. Route 181, North and South Strabane Twps., 1 course rein.-con. and Hillside vitr. brick, from Burgess & Dorrier, Scottsville, Va., $317,-495; Petriello Bros. & Co., South Brownsville, $344,368; F. L. Grant, Inc., 36 Lownes Bldg., Clarksburg, W. Va., $353,916.

York Co., 10,202 ft. Application 401 and 402 Windsor Twp. and Boro., 1 course rein.-con. or bituminous surface course on concrete foundation, from Whiting Turner Constr. Co., Stewart Bldg., Baltimore (rein.-con.) $136,055; G. A. and F. M. Wagman Co., Dallastown, (rein.-con.) $153,486; Freeland Constr Co., Freeland (rein.-con.) $178,359; Genl. Supply & Constr. Co., Prospect and Vander Sts., York (bituminous surface course) $179,264. Noted Sept. 23.

Pa., Pittsburgh—City received bids grading, regrading, paving, curbing, etc., Carson St., east, from Smithfield to South 7th Sts., from M. O. Herron Co., South 1st and McKean Sts., $104,886; Booth & Flinn, Forbes St., $110,666; T. Cronin & Co., 18th St. and Fox. Ave., $111,331. Noted Oct. 7.

North Carolina—State Highway Comn., Greensboro, received bids Oct. 12, improving 5 mi. road between Sparta and Glade Creek, Federal Aid Project 125 A, 12 ft. wide, Alleghany Co., involving (a) 6 acres clearing and grubbing, 43,060 cu.yd. common excav., 34,730 sq.yd. waterbound macadam, 1,330 lin.ft. 15-18 in. terra cotta pipe, etc., (b) 360 cu.yd. Class A concrete, 606 cu.yd. cement rubble masonry, 1,530 lb. expansion plates and bolts, 735 lin.ft untreated timber piling, 64,320 lb. reinforcing steel, etc., from W. E. Graham, Mt. Ulla, (a) and (b) $137,191; Luten Bridge Co., 405 East 4th Ave., Knoxville, Tenn., (b) $46,570; 11.93 mi. road between Virginia state line and Yanceyville, Federal Aid Project 112, 18 ft. wide, Caswell Co., 15 acres clearing and grubbing, 48,660 cu.yd. common excav., 31,090 cu.yd. top soiling, 1,764 lin.ft. 15-24 in. terra cotta pipe, etc., from J. M. Gregory & Co., Laurens, S. C., $64,098; J. T. Plott, Greensboro, $66,044; J. A. Kreis & Co., 417 South Gay St., Knoxville, Tenn., $74,838; 9.64 mi. Federal Aid Project 101 B, 18 ft. wide, Randolph Co., 15 acres clearing and grubbing, 48,130 cu.yd. common excav., 25,310 cu.yd. top soiling, 2,488 ft. 15-30 in. terra cotta pipe, etc., from J. T. Plott, $62,558; R. V. Michaux, Albemarle, $67,285; S. L. Davis, Albemarle, $68,827; 21.82 mi. road between Pittsboro and Chatham-Randolph Co. line, Federal Aid Project 99 B, 18 ft. wide, Chatham Co., 14 acres clearing and grubbing, 128,960 cu.yd. common excav., 57,320 cu.yd. top soiling, 3,170 ft. 15-24 in. terra cotta pipe, etc., from J. T. Plott, $124,463; T. W. Chandler, Virgilina, Va., $134,187; C. E. Teague, Morgantown, $144,065. Noted Oct. 7.

★**N. C., Newton**—City let contract to G. R. Martin, North Kerr St., Salisbury, for grading, draining and paving Main, College et al. Sts., involving 25,000 sq.yd. concrete paving, $2.70 per sq.yd., 26,400 lin.ft. concrete sidewalk, $1.73, 31,600 lin.ft. combined concrete curb and gutter, $1.25, etc. About $100,000.

South Carolina—State Highway Dept., Columbia, received bids Oct. 12, improving 2.12 mi. Laurens Rd. from Greenville city limits to Jones Store, 20 ft. wide, Greenville Co., involving 8,834 cu.yd. excav., 22,400 sq.yd. asphaltic concrete paving from Southern Paving & Constr. Co., James Bldg., Chattanooga, Tenn., $106,941; Slattery & Henry, Inc., Greenville, $113,264; Lawrence Constr. Co., 127 8th St., Augusta, Ga., $113,478.

★**O., Euclid**—Village let contract grading and building sidewalks on Friday, Foxton and Westport Aves. from Bliss to Midland Rds., to V. G. Gallier, Builders' Exch., Cleveland, $9,998; Midland Rd., Morris and Wilmore Aves., from Bliss to Midland Rds., East 230th St. from St. Clair to Arms Aves., and Arms Ave. from east to west end, to F. B. Stein, Euclid, $18,821. Noted Sept. 9.

O., Westerville—Franklin Co. (Columbus) received bids Oct. 9, from W. E. Schwartz, Westerville, grading, draining and paving with brick, 2,087 ft. Sect. 1 State St., 30 ft. wide, $58,943; 1,038 ft. Sect. 2 State St., 30 ft. wide, $31,525. Noted Sept. 30.

★**Indiana**—Bd. Co. Comrs. let contract building roads in following counties: St. Joseph Co., South Bend, 6,733 ft. F. A. Miller Rd., concrete, to L. W. Seaman, Goshen, $74,900. Vigo Co., Terre Haute, grading, draining and improving ½ mi. road intersecting Lockport gravel road, to J. W. Lowe, Ripley, $6,741; J. P. Head gravel road, to Rupert & Braden, Brazil, $31,490. Noted Oct. 7.

★**Michigan**—State Highway Dept., Lansing, let contract grading, draining and surfacing 5.53 mi. Assessment Dist. Rd. 364, 16 ft. wide, Montcalm, Isabella and Mecosta Counties, to Fak s & Snyder, Lakeview, $66,467. Noted Sept. 23.

★**Wisconsin**—State Highway Comn., at div. office 5, Batavian Bank Bldg., La Crosse, let contract grading and paving 2.47 mi. Black River Falls-Alma Center Rd., Federal Aid Project 84, Jackson Co., to Hoffman & Meeks, Black River Falls. Work involves 5,893 cu.yd. earth excav., at $0.41 per cu.yd.; 200 cu.yd. rock excav., $1.50; 63.5 cu.yd. concrete in culverts, $25; 1.62 acres clearing and grubbing, $150; 24,718 sq.yd. shale surfacing, $0.35, etc. Total cost, $23,233. Noted Oct. 7.

★**Minn., Faribault**—Rice Co. let contract to Day Bros., Minneapolis, for graveling 9 mi. Co. Job 2002, $11,655 and 12.6 mi. Job 1903, $23,803; to Oneida Truck Sales Co., Inc., 226 South 5th St., Minneapolis, 7 mi. Job 2006 (formerly Job 1901), $13,250.

★**Wyoming**—State Highway Dept., Cheyenne, let contract paving 1¼ mi. road from center of town to Greybull city limits, Big Horn Co., 20 ft. wide, concrete, to Lloyd Building Co., Casper. About $56,000.

★**Montana**—State Highway Dept., Helena, let contract to N. Story, Jr., 1 story Bl., Bozeman, building 6 mi. Federal Aid Project 117, involving 34,524 cu.yd. excav., 30,769 sta. yd. overhaul, 472 lin.ft. 18-24 in. pipe culverts, 53,101 lb. reinforcing steel, 6,584 cu.yd. surfacing, 264 cu.yd. Class "A" and 309 cu.yd. Class "C" concrete, etc., $83,248; 7 mi. Federal Aid Project 127, 26,969 cu.yd. excav., 5,525 sta.yd. overhaul, 418 lin.ft. 18-24 in. pipe culverts, 4,908 cu.yd. type "A" surfacing, 77 cu.yd. Class "A" and 134 cu.yd. Class "B" concrete, 14,774 lb. reinforcing steel, $59,844; 5 mi. Federal Aid Project 133, 25,461 cu.yd. excav., 3,847 sta.yd. overhaul, 214 lin.ft. 18 in. pipe culvert, 6,259 cu.yd. gravel surfacing, 233 cu.yd. Class "A" and 255 cu.yd. Class "B" concrete, 38,233 lb. reinforcing steel, etc., $50,669. All above projects in Sweet Grass Co.

Streets and Roads (Continued)

Mont., Lewistown—City received bids paving 10 blocks East Main St., concrete, from F. Saner Co., Lewistown, $46,000; Two Miracle Concrete Co., Lewistown, $52,000.

★**Missouri**—State Highway Dept., Richmond, let contract building 2.04 mi. road from Richmond east, 24 ft. wide, State Aid Project S 20.5, Ray Co., to W. A. Ross, Kansas City, Mo., $22,546. Noted Sept. 23.

Missouri—State Highway Dept., Kirksville, received bid Oct. 1, from W. Stoecker, City Hall Bldg., Webster Groves, building 1.1 mi. road from Novinger, west, State Aid Project S. 20.6, Adair Co., involving 17,939 cu.yd. earth excav., at $0.80 per cu.yd., 1,700 cu.yd. borrow, $0.67, 22.8 cu.yd. Class "B" and 5.8 cu.yd. Class "C" concrete masonry, $30 and $28 respectively, 1,756 lb. reinforcement for concrete masonry, $0.09, 50 lin.ft. 12 in. and 40 lin.ft. 24 in. vitr. clay pipe culverts, $2 and $3.50 respectively. Total cost, $16,735.

Tex., San Antonio—Bexar Co. received bids Oct. 2, topping 6.2 mi. Highway 9 from Atascosa Co. line north, 16 and 18 ft. wide, (a) 1 in. rock asphalt treatment, (b) 1 in. bituminous treatment asphalt and trap rock, from Finley Method Co., 703-4 Stewart Bldg., Houston, (b) $34,635; Haden & Austin, 727 Kress Bldg., Houston, (b) $37,837; Chapin-Coglazier Constr. Co., San Antonio, (a) $39,584. Noted Sept. 23.

Colorado—State Highway Dept., Denver, received bids Oct. 11, grading (a) 4 mi. Norwood Rd., 16 ft. wide, Federal Aid Project 66, Montrose Co., (b) 6.8 mi. Kremmling Muddy Pass Rd., 16 ft. wide, Federal Aid Project 75, Grand Co.; grading and gravel surfacing (c) 3½ mi. road from Wray to Schram, 16 ft. wide, Federal Aid Project 40, Yuma Co.; (d) 3.97 mi. Craig-Mabelle Rd., 16 ft. wide, Federal Aid Project 107, Moffat Co.; paving (e) 1.27 mi. Denver-Arvada Rd., 18 ft. wide, Federal Aid Project 120, Jefferson Co., from Girarded & Hotchkiss, Delta, (a) $60,393, (b) $34,601, (d) $53,092; A. Dobie, Sterling, (c) $28,892, (e) $49,780; E. M. Harris, Brush, (c) $30,684; Northwestern Constr. Co., Craig, (d) $53,999; M. J. Kenney, 832 Lafayette St., Denver, (e) $51,326; Colorado Bridge & Constr. Co., Gas and Electric Bldg., Denver, (e) $54,775. Noted Sept. 30.

Wash., Seattle—A. H. Dimock, engr., received bids Oct. 9, grading Bothell Way, involving 7.5 acres clearing and grubbing and 20,200 cu.yd. excav., from G. Rerick, Lyon Bldg., $24,370; H. Pederson Co., 6802 Phinney Bldg., $25,210; W. A. Kupoff, L. C. Smith Bldg., $29,297.

★**Oregon**—State Highway Comn., Multnomah Co. Court House, Portland, let contract surfacing 4.86 mi. Wren-Blodgett Sect. Corvallis-Newport Highway, Benton Co., to Washburn & Hall, Portland, $28,917; paving 5.7 mi. Oregon City-Oswego Sect. Pacific Highway, 16 ft. wide, Clackamad Co., to Scandia Shipbuilding Co., Marshfield, $220,712; stone surfacing 4.2 mi. Hubbard Creek-Brush Sect. Coast Highway, Curry Co., to J. W. Hilstrom, Marshfield, $25,900; grading and surfacing 10.46 mi. Lowen-Crane Sect. Central Oregon Highway, Harney Co., to Porter & Conley, Portland, $147,365; 3,069 lin.ft. guard fence on Newberg-West Dayton Sect. West Side Highway, Yamhill Co. to E. A. Palmer, Lafayette, $2,854. Noted Sept. 23.

Cal., Los Angeles—City received bids paving 5.38 mi. Rd. Impvt. Dist. 150, 20 ft. wide, 5 in. concrete pavement, from F. Hoffman, 111 East 12th St., Long Beach, $224,000; P. L. Terry, Los Angeles, $299,812.

★**Ontario**—Provincial Government, Toronto, let contract building 3 mi. tar bound macadam on Garrison Highway, Bridgeburg, to E. G. Law & Co., 107 Hilsdale Ave., E., Toronto. About $50,000.

★**Ont., Arnprior**—Carleton Co. Rd. Comn., County Bldg., Ottawa, let contract building 15 mi. macadam road and 1 concrete bridge, here, to J. R. McQuigge, Arnprior. About $175,000.

★**Ont., St. Marys**—City let contract paving 20,000 sq.yd. Main St., bitulithic on 6 in. concrete base, to Warren Bituminous Paving Co., McKinnon Bldg., Toronto; concrete curbs and gutter, to Patterson Constr. Co., St. Marys. About $100,000. Noted May 6.

★**Ont., Toronto**—City let contract for 5,277 sq.yd. bithulithic pavement on 5 in. concrete base and 22,325 sq.yd. on 8 in. base, to Warren Bituminous Paving Co., McKinnon Bldg. About $125,000.

★**Ont., Toronto**—City let contract for 5,283 sq.yd. Warrenite bithulithic pavement on 5 in. concrete base, and 1,553 sq.yd. over existing brick pavement, to Warren Bituminous Paving Co., McKinnon Bldg. About $30,000.

★**Ont., Windsor**—City let contract for 5,500 sq.yd. concrete paving and 4,000 lin.ft. curbing, to Caldwell Sand & Gravel Co., 84 Sandwich St. W., $17,800; 16,000 sq.yd. concrete paving and 12,000 lin.ft. curbing, to Chick Contg. Co., Ltd., 351 McDougall Ave., $53,000.

★**Ont., York**—Twp. let contracts building concrete sidewalks and curb on Caledonia and Hanley Aves., Florence Crescent and Spadina Rd., to J. Harrop, 1414 Davenport Rd., Toronto, $13,367; Blandford St. and Weston Rd., to Grant Contg. Co., 50 Front St. E., Toronto, $5,191; Dufferin St., to A. Johnson, 35 Burgess Ave., Toronto, $2,944; Hanson Rd., to Scott, Maddock & Mitchell, 48 Alexander St., Toronto, $4,511; Bee St., to D. Mackay, 287 Ashdale Ave., Toronto, $3,043; Eileen Ave., to Natl. Contg. Co., c/o F. Barber, engr., 40 Jarvis St., Toronto, $4,070; Miller Ave., to Angotti & Smythe, 819 Clarens Ave., Toronto, $415; Southport Ave., to G. B. Moogk, Weston, $7,118; Oakwood Ave., to Walton & Powell, Toronto, $10,405; Spadina Rd., to W. B. Hughes, 53 Victoria Park, Toronto, $5,636; asphalt pavements on Atlas and Arlington Aves. and Rushholme Rd., to Kilmer & Barber, 10 Adelaide St. E., Toronto, $81,154, and Godson Contg. Co., Manning Chambers, Toronto, $15,473.

Railways

PROPOSED WORK

North Carolina—Blue Ridge Development Co., Newton, having estimates made for 106 mi. electric railway from Charlotte to Blowing Rock. Work involves 106 mi. transmission line, 8,000 poles, 1 bridge and 6 trestles. R. E. Wysor, Dublin, Va., ch. engr.

Florida—Atlantic Coast Line Ry. Co., Atlantic Coast Line Bldg., Wilmington, N. C., having surveys made for 30 mi. standard gage railroad on road from Thonotosassa to Trilby, probably heavy rail and rock ballast; preparing road bed, laying rails and building 2 bridges on 40 mi. road from Perry to Monticello. J. E. Willoughby, Wilmington, ch. engr.

Excavation and Dredging

PROPOSED WORK

Ia., Mason City—Drainage—Cerro Gordo Co. rejected bids received Oct. 1, building Joint D.D. 1, involving 131,000 ft. 6-40 in. tile. Work will be readvertised. H. D. Keerl, Mason City, engr. Noted Sept. 16.

Wyo., Casper—Excavation—City election Nov. 2, to vote on $50,000 bonds to change courses of certain streams draining through here. Work involves grading, rock riprap, corrugated iron culverts, etc. F. S. Knittle.

Ida., Wapello—Drainage—Louisa Co. received no bids Oct. 5, building D. D. 22, involving 71,000 cu.yd. excav., 1,000 lin.ft. levee and 3,300 cu.yd. embankment. V. E. Thompson, Wapello, engr. Noted Sept. 23.

Ont., London—Drainage—Stephen, East and West McGillvray, Williams and Bosanquet Twps. having plans prepared by F. W. Farncombe, engr., Dominion Savings Bldg., for drainage system, involving 130,000-140,000 cu.yd. excav. About $75,000. Noted Sept. 2.

BIDS DESIRED

N. Y., New York—Dredging—Until Oct. 26, by M. Hulbert, Comr. of Docks, Pier "A," ft. of Battery Pl., furnishing labor and material for dredging piers at foot of Stanton, East 5th, East 20th, and East 25th Sts., on East River, and pier at foot of West 35th St., on North River.

O., Norwalk—Ditch—Until Nov. 9, by H. P. Starbird, surv. Huron Co., building 2.1 mi. R. V. Wright Improvement of Nogel Co. Ditch, involving 12,173 cu.yd. excav.

Ill., Sterling—Excavation—Until Nov. 4, by Drainage Comrs. Union Special D.D., towns of Tampico, Prophetstown and Hume, Whiteside Co., cleaning out and deepening certain ditches in district; advertised in this issue.

Wis., Waupaca—Drainage—Until Oct. 25, by Waupaca Co. Drainage Bd., building D. D. 1, involving 16,000 ft. tile outlet drain. C. W. Ross, Manawa, secy.

Ia., Adel—Drainage—Until Oct. 27, by M. T. Finley, aud. Dallas Co., furnishing labor and material building D. D. 76, involving 35,694 ft. 6-28 in. tile.

Minn., Crookston—Ditches—Until Oct. 28, by M. J. Welte and Polk Co., building Co. Ditch 34, involving 45,763 cu.yd. excav., 7 mi. grading, seven 12 in. gate culverts, 36 ft. long; Ditch 135, 36,023 cu.yd. excav., 2 mi. grading, six 12-24 in. corrugated iron culverts with gates; Ditch 130, 35,956 cu. yd. excav., 3 mi. grading, etc. About $25,000. E. J. Boyer, Crookston, engr.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Ia., Algona**—Ditches—Kossuth Co. let contract building open ditches and tile drains in D. D. 165, involving 1,149,500 cu. yd. excav. and 27,890 ft. 6-26 in. tile, to Thomas & Sweet, Algona, and Elmore Cement & Tile Co., Elmore, Minn. Noted Sept. 30.

★**Ia., Harlan**—Shelby Co. let contract building Nishnabotna River D. D. 10, involving 1,102,564 cu.yd. excav., to Wickham Bros., 19 Scott St., Council Bluffs, $214,890.

★**Ia., Wapello**—Drainage—Louisa Co. let contract building D. D. 23, to Layton Const. Co., Muscatine, $76,085. Noted Sept. 23.

★**Minn., Mankato**—Ditch—Blue Earth Co. let contract for tile work for building Co. Ditch 56, to Bisballe Constr. Co., Tyler, $222,500; open work, to E. D. Barr, Gibbon, $47,126; dam, to T. M. Thomson & Co., 1012 Plymouth Bldg., Minneapolis, $7,325. Noted Sept. 9.

★**Ontario**—Excavation—Dept. Provincial Highways, Toronto, let contract for 60,000 cu.yd. excav. work on Provincial Highways in London and Biddulph Twps., Contrs. 150 and 151, Webster Constr. Co., London; Contrs. 152 and 153, to Campbell & Butler, London. Total cost, $60,000.

Industrial Works

PROPOSED WORK

Me., Augusta—Fidelis Phonograph Corp. plans to build brick and concrete addition to plant. About $75,000. Architect not selected.

Conn., Hartford—R. Kolodney, Allyn St. and Union Pl., plans to build 2 story, brick and steel factory. About $50,000. Architect not selected.

Conn., Hartford—Travelers Insurance Co., 700 Main St., plans to build concrete, brick and steel printing plant, rein.-con. flooring, concrete foundation, on Albany Ave. About $100,000.

Conn., New Haven—New Haven Pulp & Board Co., Green and East Sts., plans to build 2 story, brick and concrete addition to plant. About $50,000. Fletcher-Thompson, Inc., 1087 Broad St., Bridgeport, archts.

N. Y., East Syracuse—Chapin & Baker Mfg. Co., Edison St., plans to construct three 1 story buildings, 40 x 60 ft., 40 x 98 ft. and 66 x 180 ft., on Manlius St. Architect not selected.

N. Y., New York—United Electric Light & Power Co., 130 East 15th St., soon lets contract building power house, on 134th St. and East River. About $4,500,000. T. E. Murray, Inc., 55 Duane St., engr.

N. J., East Orange—C. B. Comstock, engr. and archt., 110 West 40th St., New York City, soon lets contract constructing 3 story top addition to present building and 5 story side addition, rein.-con., steel and brick, rein.-con. flooring, concrete foundation here, for Ward Baking Co., South Blvd. and St. Marys St., New York City.

N. J., Maurer—H. S. Ferguson, archt., 200 5th Ave., New York City, soon lets contract building 2 story, concrete and brick plant, here, for Barber Asphalt Paving Co., 233 Bway., New York City.

Pa., Chester—Stalium Metals Corp. of America, 226 Lafayette Bldg., Phila., plans to build plant, here. About $500,000. R. Beard, 2349 North Woodstock St., Phila., archt.

Pa., Cresson—Penn-Cresson Ice Cream Co., having plans prepared by McCormick Co., engrs., Century Bldg., Pittsburgh, for 2 story, 50 x 90 ft. steel and brick plant, brick and concrete foundation. About $50,000.

S. C., Greenville—Peerless Pole & Ladder Co. opens bids about Nov. 1, building 1 story, 60 x 160 ft., concrete and steel factory, outside city limits. About $50,000. J. E. Sirrine Co., Greenville, engrs. and archts.

S. C., Union—City Gas Co. plans to build new gas plant. About $150,000. T. McNally, pres.

Fla., Jacksonville—Monarch Milling Co., 144 Cowart St., Chattanooga, Tenn., plans to build warehouse, terminals, and milling plant, at Commodore Point, here. About $50,000.

Fla., Leesburg—Grass Fiber Pulp & Paper Corp. plans to build three 1 story mills, steel. About $75,000. C. F. Logan, 1228 Crittenden St., N. W., Wash., D. C., engr.

O., Cleveland—Atlas Fdry. Co., Shaw Ave., had plans prepared by J. E. Moore, archt. and engr., 1900 Euclid Ave., for 1 story, 50 x 100 ft., brick and steel addition to foundry, brick foundation, on West 69th St. About $40,000.

Industrial Works (Continued)

O., Cleveland—St. Hyacinths Church, East 61st St. and Francis Ave., soon lets contract building 40 x 83 ft. boiler house and garage. About $60,000. L. S. Redmer, pastor. W. C. Jansen, 402 Electric Bldg., engr.

O., Zanesville—Baltimore & Ohio R.R., Market and 2d Sts., having preliminary plans prepared for electrical and heating plants, brick and steel, at railroad shops, on Lee St. About $300,000. H. A. Lane, Baltimore, ch. engr.

Ind., Ft. Wayne—Ft. Wayne Storage Co., Harrison and Grand Sts., plans to build 6 story, 95 x 194 ft., storage warehouse, on Francis and Hayden Sts. About $500,000. Moore & Dunford, 1st Natl. Bank Bldg., Chicago, engrs.

Ind., Ft. Wayne—Day & Zimmerman, archts. and engrs., 611 Chestnut St., Phila., Pa., receive bids about Nov. 18, building 1 and 2 story, manufacturing plant, rein.-con. and steel, on Pontiac St, here, for International Harvester Co. of America, Inc., 606 South Michigan Ave., Chicago. About $2,000,000. Noted Oct. 7.

Mich., Detroit—Motor City Stamping Co., c/o Stahl & Kinsey, archts., 435 Woodward Ave., plans to build 1 story, 98 x 100 ft., brick and mill construction factory, rein.-con. flooring, brick foundation, on Knodell St. along tracks of Belt Line Ry. About $70,000.

Mich., Detroit—H. F. Tanghe Co., 79 Pine St., having plans prepared by Brill & Tanghe, archts., 86 Michigan Ave., Milwaukee, for 2 story, 120 x 140 ft., rein.-con., brick and steel warehouse, rein.-con. flooring, concrete foundation.

Wis., Appleton—Chicago & Northwestern R.R., 226 Jackson Blvd. W., Chicago, had plans prepared by J. Miller, archt., c/o owner, for 1 and 2 story, 43 x 215 ft. concrete and brick freight depot and office, here. About $75,000. S. G. Strickland, mgr.

Wis., Denmark—Danish Pride Milk Co., Sheboygan, plans to build 3 story, 75 x 250 ft., brick, rein.-con. and steel condensory here. About $150,000. J. F. Enz, pres. Architect not selected.

Wis., Fond du Lac—Sheboygan Dairy Products Co., 936 North Water St., Sheboygan, having plans prepared by B. E. Mehner, archt., 6 East Division St., for 2 story, 120 x 300 ft., brick, rein.-con. and steel factory, rein.-con. flooring, concrete foundation, on West Division St., here. About $100,000.

Wis., Jefferson—Jefferson Rubber Co. plans to build 2 story, 80 x 320 ft., brick, rein.-con. and steel factory, brick foundation, on Main St. About $100,000. E. E. Schulz, secy. Architect and engineer not selected.

Wis., Madison—Sheboygan Dairy Products Co., 936 North Water St., Sheboygan, plans to build 2 story, 60 x 150 ft., brick, rein.-con. and steel factory, rein.-con. flooring, concrete foundation, on North Wilson St., here, to replace one destroyed by fire. About $100,000. Architect not selected.

Wis., Oconomowoc—W. S. King having plans prepared by Parkinson & Dockendorff, archts., Linker Bldg., La Crosse, for 1 story, 90 x 160 ft., brick, steel and rein.-con. garage, rein.-con. flooring, on Main St.

Wis., Oostburg—Danish Pride Milk Co., Sheboygan, plans to build 3 story, 75 x 250 ft., brick, rein.-con. and steel condensory here. About $150,000. J. F. Enz, pres. Architect not selected.

Wis., Port Washington—Turner Mfg. Co. soon receives bids building 1 story, 60 x 180 ft., foundry, machine shop, etc., brick, rein.-con. and steel, brick foundation, on Main St. About $150,000. W. A. Engelhardt, mgr. F. D. Chase, Inc., Michigan Ave., Chicago, Ill. archt. and engr.

Wis., Sheboygan—Hartenberger Double Wall Silo Co., Sheboygan Falls, plans to build 2 story, 70 x 110 ft., brick, rein.-con. and steel factory, concrete foundation here. About $50,000. Architect and engineer not selected.

Wis., Sheboygan—Optenberg Iron Wks., 7th St. and Clara Ave., plans to build 1½ story, 40 x 100 ft., machine and blacksmith shop, brick, rein.-con. and steel, brick foundation. About $100,000. R. W. Busse, mgr. Architect not selected.

Wis., Two Rivers—Two Rivers Millwork & Cabinet Co. plans to build 2 story, 60 x 150 ft., brick, rein.-con. and steel factory, brick foundation, on 17th and Monroe Sts. About $50,000. Architect and engineer not selected.

Ia., Marshalltown—Victor Heating Co. plans to build 1 story addition to plant to cover 48,000 sq.ft. floor space. Architect not selected.

Minn., Minneapolis—Northern Jobbing Co., 3600 Loomis Pl., Chicago, plans to build 10 story warehouse, on 3d St. and 6th Ave. N., here. About $500,000. Architect not selected.

Mo., Kansas City—Opie Brush Co. plans to build 4 story factory at 610-14 Southwest Blvd. About $100,000. Architect not selected.

Tex., Eastland — Ringling, Eastland & Gulf R.R. plans to build round house, machine shops and warehouse. C. H. Chamberlain, Eastland, engr.

N. S., Stewiache—Dickie & Co., Ltd., plans to rebuild mills recently destroyed by fire. Loss $150,000.

Que., Montreal—Downtown Garage, Ltd., 63 Prince St., plans to build garage. About $100,000.

Ont., London—Service Motor Truck Co., Wabash, Ind., plans to build plant on Chelsea Green, here, for manufacturing malleable iron castings. About $150,000.

Ont., Toronto—Dominion Envelope & Carton Co., 150 Duchess St., plans to build 1 story, 300 x 500 ft. brick and steel factory, concrete foundation, at Eastern Gap. About $500,000. Architect not selected.

Ont., Toronto—Williard Storage Battery Co., East 131st St. and St. Clair Ave., Cleveland, O., plans to build plant on Wiltshire Ave., here. About $500,000.

Man., Winnipeg—Manitoba Motor Cars, Ltd., 505 Great West Permanent Bldg., plans to build 2 story, 50 x 150 ft. assembling plant, rein.-con., on Academy Rd. and Lindsay St. About $70,000. F. H. Parr, 202 Belgia Bldg., Garry St., archt. and engr.

BIDS DESIRED

Mass., Boston—H. B. Alden, archt., 15 Exchange St., receiving bids building 4 story addition to publishing plant, concrete, brick and steel, rein.-con. flooring, concrete foundation, on Avery St., for Boston Herald, 171 Tremont St.

Mass., Worcester—E. T. Chapin, archt., State Mutual Bldg., receiving bids building 2 story, 58 x 135 ft. addition to garage, concrete, brick and steel, rein.-con. flooring, concrete foundation, for Hotel Garage, Portland St. About $75,000.

Mass., Worcester—J. Rice, archt., 306 Main St., receiving bids building 2 story, 150 x 180 ft., rein.-con. and brick garage, rein.-con. flooring, concrete foundation, on Pleasant St., for E. F. Mathews, 42 Chatham St. About $200,000. Noted Sept. 30.

N. Y., S. I., West New Brighton—Until Oct. 29, by Dept. Pub. Welfare, Municipal Bldg., New York City, furnishing labor and material for constructing addition to boiler house, at Sea View Hospital, here.

N. J., Florence — J. W. Levin, archt., Liberty Bldg., Phila., receiving bids constructing 2 story, 50 x 100 ft. factory, brick, for Florence Fdry. Co. About $50,000.

N. J., Hoboken—Until Oct. 27, by Ballinger & Perrott, archts. and engrs., 1328 Bway., New York City, building 2 story, rein.-con. and steel factory, rein.-con. flooring, concrete foundation, on Clinton St., here, for Chocolate Manier Co. About $100,000. Noted Sept. 23 as "day labor."

Pa., Warren—Struthers Wells Co., 1003 Pennsylvania Ave. W., receiving bids building 1½ story, 40 x 86 ft. boiler house and 68 x 140 ft. forge shop, brick and steel, concrete foundation. About $100,000. Private plans.

Ga., Augusta—Until Nov. 1, by W. P. White, building brick and timber stock yards, brick foundations, to replace those recently destroyed by fire. About $50,000.

Wis., Fond du Lac—Fountain City Ice Cream Co., 218 South Main St., and B. E. Mehner, archt., 6 East Division St., receiving bids building 2 story, 60 x 112 ft. rein.-con. dairy plant, rein.-con. flooring, concrete foundation. About $75,000. Noted Sept. 23.

Cal., San Francisco — Chamberlain & Proctor receiving bids building 4 story, 80 x 90 ft., rein.-con. garage, on Stevenson St. About $100,000. O'Brien Bros., 240 Montgomery St., archts. Noted June 10.

Sask., Elbow—I. Todd receiving bids building 2 story, 40 x 80 ft. rein.-con. and brick garage, concrete foundation. About $50,000.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Me., Great Works**—Penobscot Chemical Fibre Co., 49 Federal St., Boston, let contract building 34 x 45 x 109 ft. addition to plant, concrete, brick and steel, rein.-con. flooring, concrete foundation, to Aberthaw Constr. Co., 27 School St., Boston. About $125,000.

★**Me., Shawmut** (Fairfield P. O.)—Keyes Fibre Co., Waterville, let contract building 1 and 2 story paper plant, concrete and brick, rein.-con. flooring, concrete foundation, along Kennebec River, here, to Aberthaw Constr. Co., 27 School St., Boston. About $200,000.

★**Mass., Boston**—D. D. Allisandra, c/o Burk & Bottomley, archts., 34 School St., let contract altering brick and timber factory on Hanover St., to J. E. Locatelli Co., 46 Cornhill St. About $50,000.

★**Mass., Cambridge**—Kingston Knitting Co., 37 Kingston St., Boston, let contract building 3 story, 50 x 150 ft. mill, concrete brick and steel, rein.-con. flooring, concrete foundation, here, to Evatt Constr. Co., 161 Devonshire St., Boston. About $100,000. Noted Oct. 7.

★**Mass., Everett** (Boston P. O.)—Boston Elevated Ry. Co., 108 Massachusetts Ave., Boston, will build concrete, brick and steel shops, rein.-con. flooring, concrete foundations, here. About $3,000,000. Work will be done by day labor under supervision of D. P. Robinson & Co., 125 East 46th St., New York City, archts. and engrs. Noted Oct. 7.

★**Mass., Fitchburg**—Falulah Paper Co., Falulah Rd., let contract building 1 story, 30 x 202 ft. addition to plant, concrete, brick and steel, rein.-con. flooring, concrete foundation, to S. M. Green Co., 293 Bridge St., Springfield. About $50,000.

★**Mass., Gardner**—C. H. Hartshorn, Main St., will build 3 story, 60 x 64 ft. addition to plant, brick and mill construction, concrete foundation, on Main St. About $350,000. Work will be done by day labor.

★**Mass., South Boston** (Boston P. O.)—H. B. S. Prescott, 259 Summer St., let contract altering factory, on Stillings St., to Hauser-Swift Co., 88 Broad St., Boston. About $50,000. Natl. Metal & Rubber Co., 39 India Wharf, lessee.

★**Mass., South Boston** (Boston P. O.)—Waldorf Lunch Co., 169 High St., Boston, let contract building 1 story, 80 x 135 ft. brick and steel garage, rein.-con. flooring, concrete foundation, on D St., here, to W. E. Barber, 27 Cornhill St., Boston. About $50,000.

★**Mass., Turners Falls**—Montague Machine Co., 2 Ave. A, let contract building concrete, brick and steel machine shop, rein.-con. flooring, concrete foundation, on 15th St., to Foundation Co., 233 Bway., New York City. About $125,000.

★**Mass., Westfield**—Vitrified Wheel Co., Emery St., let contract building 2 story, 45 x 100 ft. addition to plant, brick and steel, concrete foundation, to P. J. Mahoney, 46 Orange St. About $40,000.

★**R. I., Pawtucket**—J. and B. Costello, East Ave., let contract building 2 story, 50 x 185 ft. brick and steel factory, concrete foundation, to Cruise & Smiley Constr. Co., 12 East Ave.

★**R. I., Providence**—Revere Rubber Co., 355 Valley St., let contract building 3 story, concrete, brick and steel factory, rein.-con. flooring, concrete foundation, on Valley and Hemlock Sts., to Cruise & Smiley Constr. Co., East Ave., Pawtucket. About $50,000.

★**Conn., Ansonia**—Amer. Brass Co., 58 Liberty St., will build 1 story, 340 x 400 ft. addition to factory, brick, concrete and steel, rein.-con. flooring, concrete foundation, cost to exceed $725,000. Work will be done by day labor. Noted Oct. 7.

★**Conn., Greenville** (Norwich P. O.)—United States Finishing Co. will build 1 story, 40 x 110 ft. concrete, brick and steel boiler plant, rein.-con. flooring, concrete foundation. About $300,000. Work will be done by day labor under supervision of Day & Zimmerman, archts. and engrs., 611 Chestnut Sts., Phila.

★**Conn., New Haven**—New Haven Dairy Co., 201 Hazel St., New Haven, let contract building 1 and 3 story addition to plant, concrete, brick and steel, rein.-con. flooring, concrete foundation, on Walnut St., to M. J. Gibbud Co., 730 Chapel St., New Haven. About $35,000.

★**N. Y., Brooklyn**—C. Nardello, c/o W. C. Winters, archt. and engr., 106 Van Sicklen Ave., will build 1 story, 115 x 140 ft. brick and steel garage, rein.-con. flooring, concrete foundation, on Fulton St. About $90,000. Work will be done by day labor.

★**N. Y., Buffalo**—A. Victor & Co., 514 Main St., let contract building 2 story, 118 x 185 ft. warehouse, at 70-82 Lakeview Ave., to G. J. Metzger, 676 Genesee St. About $100,000.

★**N. Y., New York**—Transit Comn., 49 Lafayette St., let contract building addition to shops on Lenox Ave. and 148th St., to Bainbridge Constr. Co., 52 Vanderbilt Ave., $456,083. Noted Sept. 16.

★**N. Y., Rosebank** (Staten Island P. O.)—L. A. Dreyfuss let contract building 2 story, concrete and brick garage, rein.-con. flooring, concrete foundation, to Barney-Ahlers, 110 West 40th St., New York City.

★**N. Y., Syracuse**—W. D. Andrews, 216 East Washington St., let contract building 2 story, 91 x 217 ft., concrete and steel garage, rein.-con. flooring, concrete foundation, at 617 West Genesse St., to F. Grossman, Syracuse. About $50,000; cost plus percentage basis.

Industrial Works (Continued)

•**N. Y., Syracuse**—Standard Oil Co., 26 Bway, New York City, let contract building 1 story, 100 x 140 ft. and 60 x 122 ft. concrete warehouse, on Bear and Solar Sts., to H. D. Best & Co., 949 Bway, New York City. About $70,000.

★**Pa., Kensington** (Phila. P. O.)—A. Taylor & Co., c/o G. S. Idell, archt., 1705 Chestnut St., let contract building 1 story, 60 x 200 ft. wire factory, brick, on Cedar and Venango Sts., to J. M. Kennedy, 3025 Boudinot St. Noted Sept. 30.

★**Pa., Lewistown**—Keystone Motors Co., Main and 3rd Sts., will build 2 story, 181 x 201 ft., rein.-con., brick and steel garage. About $100,000. Work will be done by day labor.

★**Pa., Phila.**—Standard Crown Co., Hope and Palmer Sts., let contract building 2 story, 67 x 212 ft. bottle top factory, concrete and brick, on Clearfield and Masher Sts., to A. Chambley, 2057 Summer St. About $100,000. Noted May 13.

★**D. C., Wash.**—W. W. Griffith, 1st and N Sts., let contract building motor truck factory, to E. H. Mosher, 539 Munsey Bldg. About $300,000.

★**D. C., Wash.**—H. H. Warwick, archt., 535 Munsey Bldg., let contract building 3 story, rein.-con. factory and store, on 17th and L Sts., to E. H. Mosher, 538 Munsey Bldg. About $100,000. Owner's name withheld.

★**W. Va., MacDonald**—New River Co. let contract building 1 story, brick and steel factory and machine shop, to cover 35,000 sq.ft. floor space, to Austin Co., Union Arcade, Pittsburgh, Pa. Cost between $225,000 and $250,000. Noted Oct. 7.

★**Ala., Brmingham**—Connors Steel Co., Brown-Marx Bldg., will build 1 story, 77 x 400 ft. mill, steel, on Powell Ave. About $50,000. Work will be done by day labor.

•**Tenn., Chattanooga**—Mutual Enamel Wks. Co. let contract building concrete and steeel foundry, rein.-con. flooring, concrete foundation, to D. P. Robinson, 125 East 46th St., New York City. About $800,000.

★**O., Chagrin Falls**—Adams Bag Co. let contract building 1 story, brick and steel addition to paper mill, brick foundation, to Myers-Kuhn Constr. Co., Metropolitan Bldg., Cleveland. About $50,000. Noted Sept. 2.

★**O., Cleveland**—Fisher Body Co., Oakland and Piquette Sts., let contract building 1 story, 95 x 114 ft., rein.-con., brick and steel power house, rein.-con. flooring, brick and concrete foundation, on East 140th St. and Coit Rd. About $200,000.

★**O., Cleveland**—S. Silberman Co., 1233 East 38th St., let contract building 4 story, 100 x 150 ft. brick and steel warehouse, brick foundation, on Nevada Ave., to G. W. Feaga Co., 5927 Euclid Ave. About $100,000.

★**O., Columbiana**—Columbiana Boiler Wks. let contract building 1 and 2 story, irregular shaped, brick and steel extension to factory, brick and concrete foundation, to Austin Co., Union Arcade, Pittsburgh. About $50,000.

★**Ind., Anderson**—Lynch Glass Co. let contract building 1 story, 50 x 120 ft., brick and steel factory addition, brick foundation, to H. K. Ferguson Co., 6521 Euclid Ave., Cleveland. About $60,000.

★**Mich., Detroit**—Detroit Packing Co., 40 Bushey St., let contract building 2 story, brick, steel and concrete plant, rein.-con. flooring, brick foundation, on Springwells Ave., to Patterson Constr. Co., 907 Ford Bldg. About $50,000.

★**Ill., Chicago**—Grant Baking Co., 3021 West Lake St., let contract building 2 story, 100 x 150 ft., bakery, rein.-con., rein.-con. flooring, concrete foundation, on Lake St. near Sacramento Blvd., to G. Thomson & Son, 30 North La Salle St. About $175,000.

★**Ill., Clearing**—Hamler Boiler & Tank Co., 3906 South Halsted St., Chicago, let carpentry and masonry contract building 1 and 2 story, 100 x 300 ft., concrete, brick and steel factory, concrete flooring, on 66th St. and 60th Ave., here, to W. J. Nelson, 1537 West 63rd St., Chicago. About $500,000.

★**Wis., Oconto**—Montana Tractor Co. let general contract building 1 story, 150 x 200 ft., brick, rein.-con. and steel factory, rein.-con. flooring, brick foundation, on Main St., to Austin Co., 208 South La Salle St., Chicago. About $150,000.

★**Minn., Duluth**—G. Phillips, comr. Duluth Water & Light Dept., let contract constructing 3 story, 50 x 140 ft. concrete, brick and steel warehouse and office building, rein.-con. flooring, concrete foundation on 1st St., W., to McLeod & Smith, Sellwood Bldg., $122,283. Noted May 13.

★**Tex., Beaumont**—Beaumont Shipbuilding & Dry Dock Co. will build machine shop. About $100,000. Work will be done by day labor.

★**Ont., Collingwood**—Imperial Steel & Wire Co., Hurontario St., let general contract building 3 story, rein.-con., brick and steel factory, rein.-con. flooring, concrete foundation, to W. A. Tom Constr. Co., Ltd., Hurontario St., brick work to A. Courtes, Collingwood. About $150,000. Noted Sept. 9.

★**Ont., Niagara Falls**—Oneida Community Co., Niagara Falls, N. Y., let contracts constructing 3 brick buildings, concrete foundations, for manufacturing steel traps, manufacturing building, to Bancroft Jones Co., Niagara Falls, N. Y.; finish building and heat treating building, to N. McLeod, Kent Bldg., Toronto. Total cost, $200,000.

•**Ont., Smooth Rock Falls**—Mattagami Pulp & Paper Co. let general contract constructing 2 story mill and store building, concrete, stone foundation, to Carter Halls, Aldinger & Co., Ltd., Union Bank Bldg., Winnipeg, Man.; tile, to Natl. Fireproofing Co., Dominion Bank Bldg., Toronto; electrical work to Reed & Son, Cochrane. Total cost $490,000.

★**Ont., Toronto**—Northern Aluminum Co. Ltd., Sterling Rd., let contract building rein.-con. and brick factory, concrete foundation, to Archibald & Holmes, Continental Life Bldg. About $200,000.

★**Ont., Welland**—J. Deere Mfg. Co., Welland Jct., let contract building 3 story, rein.-con., brick and steel factory, rein.-con. flooring, concrete foundation, here, to Diffin Constr. Co., Main St. E. About $50,000.

Buildings

PROPOSED WORK

Mass., Westfield—Church and School—St. Joseph Polish Natl. Catholic Church, 61 Washington St., soon lets contract building 1 and 2 story, brick and steel, concrete foundation, on Main St. and Clinton Ave. About $100,000. Howes & Howes, High St., Holyoke, archts. Noted Sept. 16.

Mass., Wilbraham—Academy—Wilbraham Academy plans to build addition to academy. About $150,000. Architect not selected.

Mass., Worcester—College—Holy Cross College, College St., plans to construct 5 additions, consisting of 4 story dormitory, cost $300,000; 2 story science and laboratory building, $350,000; assembly hall, $300,000, 4 story office and administration building, $300,000, concrete, brick and steel, rein.-con. flooring, concrete foundations on campus. Sheehaw & Colleary, archts., 120 Boylston St., Boston. Noted Sept. 16.

R. I., Providence—School—McKim, Mead & White, archts., 101 Park Ave., New York City, soon let contract building 3 story, 57 x 125 ft. brick and stone, here, for St. Georges School, Newport. About $200,000.

Conn., Hartford—School—Northwest School Dist. having revised plans prepared by W. D. Johnson, arch., 174 Bond St., and soon receives bids building 2 story, concrete, brick and steel, on Holcomb St. About $235,000. Former bids rejected. H. U. Tuttle, chn. Noted June 24.

Conn., Torrington—Gymnasium—Y. M. C. A., 113 Main St., had plans prepared by W. E. Hunt, archt., 197 Water St., for 4 story, brick and concrete, on Prospect St. About $150,000.

N. Y., Central Islip—Hospital—State Hospital Comn., Capitol, Albany, opens bids about Feb. 5, constructing 2 brick, steel and stone buildings for Insane Asylum, here, brick foundations. About $350,000. L. F. Pilcher, Hall of Records, New York City, archt. and engr. Noted April 15.

N. Y., Jamestown—Schools—City election Nov. 5 to vote on $550,000 bonds to build schools.

N. Y., Kings Park—Asylum—State Hospital Comn., Capitol, Albany, receives bids about Feb. 5, constructing 2 brick, steel and stone buildings for Insane Asylum, brick foundations, here. About $350,000. L. F. Pilcher, Hall of Records, New York City, archt and engr. Noted April 15.

N. Y., New York—Church—Chelsea Methodist Episcopal Church, c/o Polhemus, McKenzie & Coffin, archts. and engrs., 15 East 40th St., plans to build brick and stone, brick foundation, on 178th St. About $400,000.

N. Y., New York—Church—Peoples Home Methodist Episcopal Church, c/o Polhemus, McKenzie & Coffin, archts. and engrs., 15 East 40th St., plans to build brick and stone, brick foundation, at 542 East 11th St. About $350,000.

N. Y., New York—School—Bd. Educ., 500 Park Ave., having plans prepared by C. B. J. Snyder, archt and engr., Municipal Bldg., for 5 story, brick and stone, brick foundation, on St. Pauls Ave., near Washington Ave. About $400,000.

N. Y., New York—School—Lincoln School for Teachers, c/o Starrett & Van Vleck, archts. and engrs., 8 West 40th St., having plans prepared for 5 story, 100 x 150 ft., brick, stone and steel, brick foundation, on 5th Ave. and 102d St. About $1,000,000.

N. Y., Olean—Hospital—Bd. Dirs. Ol... General Hospital plans campaign to ra... $100,000 to build new hospital. E. W. Fi... gerald, chn. Campaign Com.

N. Y., Rochester—Schools—Bd. Educ. h... plans prepared by E. S. Gordon, archt., ... Sibley Bldg., for 65 x 180 ft. P. S. 35, ... Field St., 100 x 200 ft., P. S. 43, on Ly... Ave, 40 x 130 ft., P. S. 33, on Grand Av... also 1 story, 200 x 250 ft. P. S. I, o... Hillside Ave. All above to be non-fireproo...

N. J., Trenton—Church and Auditorium—Blessed Sacrament Church plans to bui... 119 x 150 ft. steel, brick and stone, o... Bellevue Ave. About $100,000. Addre... T. Walsh, 153 North Warren St., bishop.

Pa., Phila.—Temple—Musicians Club, 11... North 18th St., having preliminary sketche... made by F. E. Hahn, archt. and engr., 111... Chestnut St., for concrete and brick temple of music. About $200,000.

Md., Baltimore—School—St. Marys In... dustrial School, Wilkens Ave. extension, soon receives bids constructing 3 story classroom building and dining hall, concrete, brick and steel, concrete foundation. About $200,000. H. I. Kavanagh, 913 North Calvert St., archt.

D. C., Wash.—Office—Methodist Episcopal Bd. Temperance, Prohibition and Pub. Morals, 204 Pennsylvania Ave., S. E. had plans prepared by Ballinger & Perrot, archts. and engrs., 329 South Broad St., for 6 story, brick and marble. About $500,000.

D. C., Wash.—Office, etc.—Stern & Tomilson, archts., Continental Trust Bldg., preparing plans for 8 story, 132 x 135 ft. About $350,000. Owner's name withheld.

N. C., Southern Pines—Hotel—S. B. Richardson and A. S. Newcomb plan to build hotel. About $275,000.

Ga., Columbus—Business—Illges Co. plans to build 3 story, 50 x 136 ft. concrete, brick and steel. About $100,000. J. P. Illges, pres. and treas.

Fla., Cocoanut Grove—Hotel, etc.—See "Miscellaneous."

O., Bloomville—School—Bd. Educ. receives bids about Jan. 1, building 2 story, 74 x 112 ft. school and 38 x 57 ft. auditorium, fireproof. About $125,000. Glass & Austin, archts., Gas Co. Bldg., Columbus, revising plans.

O., Cleveland—Theatre and Commercial—Hundred-Fifth St. Clair Co., c/o Lehman & Schmitt, archts., Electric Bldg., having plans prepared for 1 and 2 story, rein.-con., brick and steel, rein.-con. flooring, brick and concrete foundation, on East 105th St. and St. Clair Ave. About $150,000.

O., Garfield Heights (Cleveland P. O.)—School—Bd. Educ., Bedford, plans election Nov. 2, to vote on $100,000 bonds to build 2 story, rein.-con., brick and steel, rein.-con. flooring, brick and concrete foundation, at Stop 5, here. G. Osborn, clk. W. H. Nicklas, 1900 Euclid Ave., Cleveland, archt.

O., Maple Heights (Bedford P. O.)—School—City election Nov. 2, to vote on $300,000 bonds to build 2 story, rein.-con., brick and steel, rein.-con. flooring, brick and concrete foundation, at Stop 11½. W. W. Blanchard, pres. Bd. Educ. Architect not selected.

O., Springfield—School—Bd. Educ. having plans prepared by O. D. Howard, archt., 8 East Broad St., Columbus, for 2 story, 110 x 128 ft., brick and concrete, on Barnett Rd. About $225,000.

O., Youngstown—Civil Auditorium—Stambaugh Memorial Assn., Dollar Bank Bldg., plans to build 300 x 300 ft. About $1,000,000. Architect not selected.

Mich., Ann Arbor—Dormitory—S. E. Remey and C. M. Agree, archts., Whitney Office Bldg., Detroit, preparing plans for 4 story, 60 x 200 ft., rein.-con., brick, steel and stone, concrete foundation, here. About $175,000. Owners name withheld.

Mich., Bessemer—Hospital—Gogebic Co. election Nov. 2, to vote on $200,000 bonds to build 3 story, brick and concrete, rein.-con. flooring, concrete foundation, here. J. Luxmore, clk.

Ill., Chicago—Bank and Office—Graham, Anderson, Probst & White, archts. and engrs., Ry. Exch. Bldg., soon let contract building 14 story 60 x 165 ft. concrete and steel, on Jackson Blvd. and La Salle St., for Federal Reserve Bank. About $3,000,000. Noted April 1.

Wis., Appleton—Office—See "Industrial Works."

Wis., De Pere—Science Hall—St. Norberts College, Boyle Hall, having plans prepared by W. E. Reynolds, archt., 113 South Roosevelt St., Green Bay, for 3 story, 80 x 260 ft., rein.-con. and brick. About $400,000. B. H. Pennings, pres.

Wis., Elk Mound—School—Bd. Educ. rejected bids received Oct. 7, building 2 story, 60 x 100 ft., concrete and brick, rein.-con. flooring, concrete foundation. About $100,-

Buildings (Continued)

000. Work will be readvertised. E. J. Hancock, Eau Claire, archt.

Wis., Fond du Lac—Hotel—Fond du Lac Hotel Realty Co., c/o W. C. Loegering, Forest Ave. Hotel, 170 Forest Ave., had plans prepared by H. B. Kamschulte, archt., North 8th St., Manitowoc, for 4 story, 70 x 210 ft., brick, rein.-con. and steel, brick foundation, on Forest Ave. About $200,000.

Wis., Madison—Hospital—University of Wisconsin soon lets contract building rein.-con. and brick, rein.-con. flooring and foundation, on University Ave., between Charter and Lorch Sts. About $1,000,000. A. Peabody, state archt. Noted Aug. 9.

Wis., Sheboygan — Club — Knights of Columbus, 728 Wisconsin Ave., having plans prepared by Juul & Smith, archts., Imig Bldg., for 2 story, 50 x 120 ft., brick, rein.-con. and steel, concrete foundation, on North 8th and Ontario Sts. About $100,000. H. Settling, chn. Noted Oct. 14.

Ia., Sioux City—School—Bd. Educ. plans to build 3 story, 130 x 130 ft. rein.-con. and brick, on 7th and Jackson Sts. About $250,000. Beuttler & Arnold, 235 Grain Exch., archts.

Minn., Aitkin—High School—Bd. Educ. plans to build 3 story, rein.-con. brick and tile. About $400,000. K. T. Snyder, 738 Plymouth Bldg., Minneapolis, archt. H. S. Swanson, Crosby, engr.

Minn., Averill—School—Bd. Educ. having plans prepared by J. H. Hess, archt., Moorhead, for 2 story, rein.-con. and brick. About $100,000. D. Gytri, clk.

Minn., Minneapolis—High School—Bd. Educ., City Hall, receives bids about Nov. 25, building 4 story, 220 x 300 ft. rein.-cno., brick, tile and stone, on 20th Ave. N. E., and Quincy St. G. F. Womrath, business supt. About $700,000. Noted July 22.

Minn., Minneapolis—High School—Roman Catholic Diocese plans to build high school here to accommodate 800 pupils. (See item under "Colleges," St. Paul.)

Minn., Minneapolis—Library—State Bd. Control, Capitol, St. Paul, having plans prepared by C. H. Johnston, archt., 715 Capitol Bank Bldg., St. Paul, building 4 story, 40 x 400 ft., rein.-con., brick and tile, on State University campus, here. About $1,000,000.

Minn., Northfield—College—Carleton College conducting campaign to raise $3,150,000 to remodel some of present buildings and construct new main building, cost $600,000; chemistry building, $300,000; women's central building, $250,000; art and museum, $200,000; physics building, $190,000; men's and women's gymnasium, $290,000; dormitories, $750,000; dining hall for women, $90,000, etc. D. C. Cowling, pres. Architect not selected.

Minn., St. Paul—Colleges—Roman Catholic Diocese conducting campaign to raise $5,000,000 to build preparatory seminary and normal school, also dormitory, science hall, dining hall, and power plant, at College of St. Thomas, Merriam Park, library at College of St. Catherine, Randolph and Cleveland Aves.

Minn., St. Paul — Home—Bd. Trustees, c/o J. Levy, pres., 41 East 7th St., having plans prepared by C. H. Johnston, archt., 715 Capitol Bank Bldg., for Jewish Home for Aged, 2 story, rein.-con. and brick, at 75 Wilkin St. About $100,000.

Kan., Newton—Dormitory and Science Hall—Bethel College having plans prepared by L. Schmidt & Co., archts., 121 North Market St., Wichita, for 3 story, 85 x 150 ft. rein.-con., steel and brick, rein.-con. flooring, rock and concrete foundation. About $400,000.

S. D., Vermilion—School—City voted $150,000 bonds to build additions to high and grade schools. J. S. B. Johnson, supt. Bd. Educ.

Wyo., Casper—Home—B. P. O. E. having plans prepared by Garbutt, Weidner & Sweeney, archts., Oil Exch. Bldg., for 2 story, 50 x 140 ft. brick and stone, on South Center St. opposite City Hall. About $175,000. Work will probably be done by day labor.

Ark., Little Rock — Hospital—Baptist State Hospital Comn. receives bids about Dec. 1, building 4 story. About $500,000. J. E. Allport, dir.

Okla., Oklahoma—College—Oklahoma City College plans to build 2 story (20 room) college also develop campus, on 23d and Ames Sts. About $200,000.

Col., Denver—Church—Fifth Church of Christ Scientists, 3009 East Colfax Ave., having preliminary plans prepared by H. W. J. Edbrooke, archt., Tabor Grand Bldg., for 2 story 90 x 135 ft., rein.-con., brick and terra cotta, on Colfax and Columbine Aves. About $100,000.

Ore., Portland—Emanuel Hospital, 212 Stanton St., having plans prepared by E. Kroner, archt., 301 Spaulding Bldg., for 6 story hospital and 4 story nurses home and power house, on Commercial and Stanton Sts. About $300,000.

Que., Quebec—School—Roman Catholic School Comn. authorized expenditure of $300,000 for new schools.

Ont., Hamilton—Hospital and Nurses Home—Hospital Bd. plans to build 2 and 3 story brick, rein.-con. flooring, concrete foundation. Cost between $750,000 and $900,000. T. H. Pratt, chn. Architect not selected.

Ont., Kingston—Hotel—City endeavoring to raise $450,000 (by popular subscription) to build 8 or 10 story, brick, steel and tile concrete foundation. Architect not selected.

Ont., St. Catharines — Collegiate — Bd. Educ. plans to build 3 story, 20 room, concrete, brick and steel, concrete flooring and foundation, here. About $400,000. Architect not selected.

Ont., Toronto — Schools — Bd. Control voted $155,000 bonds to enlarge high schools, and $776,000 for additions to public schools. Architect not selected.

Ont., Windsor—School—Bd. Educ. having plans prepared by A. H. McPhail, archt., Bd. Trade Bldg., for 2 story, 8 room, brick and steel addition to Wyandotte St. School, concrete flooring and foundation. About $150,000.

BIDS DESIRED

Mass., Norwood—Business—M. Dana, 202 Pemberton Bldg., Boston, receiving bids building 2 story, 60 x 135 ft. brick and steel, concrete foundation, on Washington St. W. G. Upham, 15 Marion Ave., archt.

Mass., Springfield—High School—Until Nov. 3 by Bd. Educ. building 3 story, concrete, brick and steel, rein.-con. flooring, concrete foundation, on State St. About $800,000. H. L. Sprague, 310 Main St., archt. Noted July 22.

Mass., Ware—Hospital—E. F. Stevens, archt., 9 Park St., Boston, receiving bids building 2 story, concrete and brick, rein.-con. flooring, concrete foundation, on South St., for May Lane Hospital. About $100,000.

N. Y., Brooklyn—Hospital—Until Dec. 10, by State Hospital Comn., Albany, constructing brick, steel and stone buildings, for State Hospital, here, brick foundations. About $3,000,000. L. F. Pilcher, Hall of Records, New York City, archt. and engr.

N. Y., Cortland—Normal School—Until Jan. 2, by State Bd. Educ., Albany, constructing buildings for Normal School, brick, steel and stone, brick foundations, here. About $1,750,000. L. F. Pilcher, Hall of Records, New York City, archt. and engr. Noted May 27.

N. Y., Great Neck—Schools—Until Oct. 26, by Bd. Educ., building two 2 story, brick and stone, brick foundations. About $400,000. Former bids rejected. N. S. Bessell, 56 West 45th St., New York City, archt. and engr. Noted Sept. 16.

N. Y., Ossining—Prison—Until Dec. 6, by State Prison Bd., Albany, building brick, steel and stone addition to state prison, here, concrete foundation. About $325,000. L. F. Pilcher, Hall of Records, New York City, archt. and engr.

Pa., East Conemaugh (Johnstown P. O.)—School—Until Nov. 1, by D. W. Long, secy. Bd. Educ., 237 Main St., Conemaugh, building 3 story, 80 x 120 ft. rein.-con. and brick, on 1st and Locust Sts About $110,000. J. A. Reed, 314 3rd St., Conemaugh, archt. Noted Sept. 9.

Pa., Phila.—Hospital—Until Oct. 26, by Willing & Simms, archts., 1627 Sansom St., constructing 3 story, 55 x 145 ft. administration building, rein.-con. and stone, on Chestnut Hill, for Chestnut Hill Hospital, 8815 Germantown Ave. About $100,000. Noted Jan. 29.

Mich., River Rouge—High School—Until Oct. 27, by M. J. Higgins, secy. Bd. Educ., School Dist. 4, Ecorse Twp., at office of Van Leyen, Schilling, Keough & Reynolds, archts., 556 Cass Ave., Detroit, furnishing labor and material building high school, here.

Ia., Pocahontas—School—Until Oct. 29, by Bd. Educ., building 2 story, 56 x 110 ft., brick, rein.-con. and stone. About $100,000. F. Jensen, secy. W. E. Hulse & Co., 309 Securities Bldg., Des Moines, archts.

Minn., Duluth—Home—Until Jan. 2, by C. O. Swan, chn. Bldg. Com., Minnesota Conference Swedish Lutheran Church, Minneapolis, building 2 story, 75 x 140 ft. concrete and brick, on 39th Ave. W. and 9th St., here. About $100,000. Architect and engineer not announced.

Minn., Minneapolis — Music — Until Oct. 28 (change of date) by State Bd. Control, c/o D. Mullen, secy., Capitol Bldg., St. Paul, building 3 story, 95 x 160 ft., rein.-con., brick and stone on State University campus, here. About $500,000. C. H. Johnston, 715 Capitol Bank Bldg., St. Paul, archt., C. L. Pillsbury Co., 805 Metropolitan Bank Bldg., engrs. Noted Oct. 7.

S. D., Huron — Court House, etc — Until Nov. 16 (change of date), by Beadle Co., building 3 story, 92 x 108 ft. courthouse and 2 story, 31 x 53 ft. jail, rein.-con., brick and steel. About $400,000. W. H. Gardner, aud. W. E. Hulse & Co., 329 Grain Exch., Sioux City, Ia., archts. Noted Sept. 2.

Wyo., Cheyenne—Hospital—Until Oct. 29, by S. Corson, secy. Bd. Trustees, Masonic Temple, building 50 x 180 ft., brick and steel, concrete flooring. About $300,000. Baerresen & Porter, Cheyenne, archts.

Cal., Pittsburg — Bank and Office — Contra Costa Bank of Pittsburg receiving bids building 2 story, 50 x 100 ft., rein.-con. About $100,000. B. G. McDougall, 301 Alta Bldg., San Francisco, archt.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Mass., Arlington** (Boston P. O.) — Church — Calvary Methodist Episcopal Church let contract building 1 story, 42 x 100 ft., brick, stone and steel, concrete foundation, to R. H. Howes Constr. Co., 10 P. O. Sq., Boston. Noted Sept. 30.

★**Mass., Hamilton**—Memorial—Town let contract building 1 story, 50 x 100 ft. brick and steel, on Asbury St., to W. P. Trussell, Main St. Noted Sept. 16.

★**Mass., Lawrence**—School—St. Mary's Roman Catholic Church, Haverhill St., let contract building 3 story, 50 x 100 ft. concrete, brick and steel, rein.-con. flooring, concrete foundation, on Ames and Lowell Sts., to P. Guerin, 127 Butler St. About $100,000. Noted Sept. 9.

★**Mass., Malden** (Boston P. O.)—Store—Thorp & Markys, 33 Jackson St., let contract building 1 and 2 story, concrete and brick, rein.-con. flooring, concrete foundation, on Converse Sq., to Gascoigne & Lindenthal, 43 Tremont St., Boston. Noted Oct. 14.

Mass., New Bedford—Schools—Bd. Educ. received bids Oct. 13, building (1) P. S. 1 on Rochambeau St., (2) P. S. 2 on Mt. Pleasant St., each to be 2 story, 40 x 114 ft. with 25 x 36 ft. ells, brick, rein.-con. flooring, concrete foundations, from E. J. Pardy Co., 1481 Seaview Ave., Bridgeport, (1) $659,787, (2) $649,047; J. W. Bishop Co., 109 Foster St., Worcester, (1) $730,000, (2) $717,000; E. Zeilian, Foster St., Worcester, (1) $733,000, (2) $726,000. Noted Sept. 30.

★**Mass., Peabody**—High School—City let contract building 2 story concrete, brick and steel, rein.-con. flooring, concrete foundation, on Central St., to C. H. Cunningham & Son Co., 23 Central Ave., Lynn. About $500,000. Noted Sept. 23.

★**Conn., Derby**—Y. M. C. A., 272 Main St., let contract constructing 3 story, 40 x 200 ft., brick and steel building, concrete foundation, on Elizabeth St., to M. A. Durrschmidt, Main St. About $100,000. Noted June 17.

★**Conn., New Britain**—School—Bd. Educ. let contract building 2 story, 60 x 240 ft., with 56 x 70 ft. ell, rein.-con., brick and steel, rein.-con. flooring, concrete foundation, on Tremont St., to Eastern Eng. & Constr. Co., 886 Main St., Bridgeport. About $330,000. Noted Oct. 14.

★**N. Y., Brooklyn**—Dormitory—Dept. Pub. Welfare, Municipal Bldg., New York City, let contract building and completing general contract, electrical work, domestic hot water generator, etc., for dormitory, at Kings Co. Hospital, here, to Nugent Constr. Co., 505 5th Ave., New York City. About $286,000. Noted Sept. 30.

★**N. Y., Buffalo**—Church—Central Park Methodist Episcopal Church let contract building 3 story, 150 x 180 ft., on Morris and Wesley Sts., to R. E. Williams, Iroquois Bldg. About $350,000. Noted Aug. 19.

★**N. Y., New York**—Bank and Offices—Broomis Realty Corp., 309 Bway., let contract building brick and stone, brick foundation, at 801 Westchester Ave., to Eyrich & Ward, 105 West 40th St. About $100,000.

N. Y., New York—School—Bd. Educ., 500 Park Ave., received bids Oct. 18, building P. S. 60, Stebbins Ave. near East 163rd St., Bronx, from P. J. Brennan & Sons, 624 Madison Ave., $844,100; T. Dwyer, Bway. and 216th St., $888,000; Frimyer & Hanna, $969,400. Noted Oct. 7.

★**N. Y., New York**—Theatre and Offices—Tivoli Amusement Co., c/o Arena Theatre, 40th St. and 8th Ave., will build 134 x 137 ft., brick and stone, brick foundation, on 50th St. and 8th Ave. About $500,000. Work will be done by day labor under supervision of S. B. Elsendrath, archt. and engr., 18 East 41st St.

★**N. J., Bayonne**—Welfare—Standard Oil Co. of New Jersey, 26 Bway., New York City, let contract building 2 story, 80 x 100

Buildings (Continued)

ft., brick and stone, brick foundation, here, to Tucker & Lewis, 103 Park Ave., New York City. About $100,000.

★**Pa., East Pittsburgh** — School — Bd. Educ. let contract building 2 story, 22 x 51 ft. and 111 x 139 ft. concrete, brick and steel, rein.-con. flooring, on Howard and Madison Aves., to Hodder Constr. Co., Braddock. About $300,000. Noted Aug. 12.

★**Pa., Johnstown**—Store—Swank Hardware Co., Main and Bedford Sts., let contract excavating and building 8 story, 43 x 150 ft. brick addition, rein.-con. flooring, at 624 Main St., to Berkebile Bros., Johnstown. About $100,000.

★**Pa., Phila.**—Sales and Service—A. Hartman, Bulletin Bldg., will construct 6 story, 55 x 105 ft., concrete and brick, on 16th and Vine Sts. About $100,000. Work will be done by day labor.

★**Md., Baltimore** — Office — Commerce Trust Co., Fidelity Bldg., let contract building concrete, brick and steel addition, on Light and Redwood St., to Frainie Bros. & Haigley, 18 Clay St. About $130,000.

★**Fla., St. Petersburg**—Hotel—H. R. McChesney, Pittsburgh, Pa., interested in syndicate which let contract building steel, stone and brick, concrete foundation, here, to G. A. Fuller Co., 175 5th Ave., New York City. About $1,500,000.

O., Ashtabula—School—Bd. Educ. received bids Oct. 5, building 2 story, rein.-con., brick and steel, rein.-con. flooring, brick and concrete foundation, from Moore-Lamb Co., 203 Stambough St., Youngstown, $273,000; G. Kratt, Lorain, $278,000. Noted Sept. 30.

O., Canton—School—Bd. Educ. received bids Oct. 3, building 3 story, 130 x 160 ft., rein.-con., brick and steel, rein.-con. flooring, brick and concrete foundation, on Grace Ave., from G. Whike & Son, Canton, $296,500; Melbourne Bros., Eagle Blk., $311,680. Noted Sept. 9.

O., Carey—School—Bd. Educ. received bids Oct. 6, building 2 story, 97 x 100 ft., brick and concrete, from G. Kratz & Son, Lorain, $106,597; Snyder Lumber Co., Carey, $107,579. Noted Sept. 30.

★**Ind., Hartford City**—Office—Amer. Window Glass Co., Farmers Bank Bldg., Pittsburgh, Pa., let contract building 2 story, 110 x 150 ft. brick and concrete, to Hughes-Foulkrod, Commonwealth Bldg., Phila. About $100,000.

★**Ill., Chicago**—Office—G. C. Nimmons & Co., archts., 122 South Michigan Ave., let contract to R. C. Wieboldt, 1534 West Van Buren St., building 9 story, 75 x 100 ft., rein.-con., brick and terra cotta, rein.-con. flooring, concrete foudnation, at 546-8 South State St., for W. V. Kelly, c/o architect. About $500,000. Bd. Educ., lessee. Noted Sept. 9.

★**Wis., La Crosse**—Grade School—Bd. Educ. let general contract building Hogan School, 2 story, concrete and brick to P. Nelson & Son, Newberg Bldg., $92,658. Noted Sept. 30.

★**Wis., Niagara**—Church—Union Methodist Church let general contract building 1 story, 60 x 148 ft., brick, rein.-con. and steel, brick and tile foundation, on Main St., to A. W. Wilson, Main St. About $100,000.

Minn., Duluth — Office—See "Industrial Works."

★**Minn., Duluth**—School—J. T. McNichols, 211 West 4th St., pastor Cathedral Parish, let contract building 2 story, 150 x 150 ft., rein.-con., brick and steel, rein.-con. flooring, concrete foundation, on 28th Ave. E. and 4th St., to McLeod & Smith, Sellwood Bldg. About $396,300. Noted Sept. 30.

★**Minn., Minneapolis** — Chemistry—State Bd. Control, c/o D. Mullen, secy., Capitol Bldg., St. Paul, let general contract building 3 story, rein.-con., brick, steel and stone addition to chemistry, on State University campus here, to J. and W. A. Elliott, 906 Lumber Exch. Bldg., $239,416; mechanical contract, including heating, plumbing, etc., to M. J. O'Neil, 608 Exch. Bank Bldg., St. Paul, $125,480; electrical work to W. O. Hartig Electric Co., 412 Marquette Ave., $16,487. Noted Oct. 14.

★**Minn., St. Paul** — Church — Riverview Methodist Episcopal Congregation, c/o W. Johnson, 439 Clinton Ave., let contract building 2 story, 50 x 105 ft., rein.-con., brick and stone, on West George and Waseca Sts., to O. Edwards, 266 King St. About $100,000; cost plus percentage basis.

★**S. D., Rapid City**—School—State Bd. Regents let general contract constructing 3 story, rein.-con., brick and tile engineering building, at School of Mines, here, to S. W. Jonason & Co., 308 Van Slyke Bldg., Aberdeen. About $100,000. Noted Sept. 30.

Federal Government Work

PROPOSED WORK

N. Y., Creedmoor (Jamaica P. O.)—Hospital—Federal Government, Wash., D. C., plans to construct several hospital buildings here. About $3,000,000. Private plans.

Va., Alexandria — Cafeteria — Bureau Yards & Docks, Navy Dept., Wash., D. C., plans to build here.

Va., Quantico—Fence—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans to build, here.

Ga., Columbus—Buildings—Major Moeller, Constr. Div., War Dept., War Trade Bldg., Wash., D. C., plans to construct additional buildings, here. About $1,000,000.

Montana — Road Work—U. S. Forestry Dept., Wash., D. C., opens bids in spring building 12 mi. new route on West Fork of Rock Creek, Carbon Co. About $50,000.

Mo., St. Louis—Earthwork—Mississippi River Comn., 1311 International Life Bldg., rejected bids for earthwork in Riverland Levee Dist. Noted Sept. 16.

Cal., San Diego—Elevators—Spec. 4285—Bureau Yards & Docks, Navy Dept., Wash., D. C., rejected bids received Oct. 6, installing electric elevator in fleet supply storehouse, at Naval Base, here. Noted Oct. 14.

Cal., San Diego—Fleet Supply Storehouse—Spec. 4264—Bureau Yards & Docks, Navy Dept., Wash., D. C., rejected bids received Oct. 6, building at foot of Bway., here. Noted Sept. 16.

BIDS DESIRED

Mass., Chelsea—Macadam Roads, etc.—Spec. 4284—Until Oct. 27, by Bureau Yards & Docks, Navy Dept., Wash., D. C., building macadam roads, repairing macadam and concrete roads, etc., at Naval Hospital, here; $10 deposit required for plans and spec.

Mass., South Boston (Boston, P.O.)—Steam Locomotive Crane—Spec. 4263—Until Nov. 3, by Bureau Yards & Docks, Navy Dept., Wash., D. C., installing at Naval Dry Dock, here; $10 deposit required for plans and spec. Noted Oct. 7.

N. Y., Brooklyn—Concrete Roads, etc.—Until Oct. 27, by Bureau Yards & Docks, Navy Dept., Wash., D. C., building concrete roads and sidewalks, here. Noted Oct. 14.

N. Y., New York—Repairing Assay Office—Until Nov. 4, by Treas. Dept., Wash., D. C., restoring damaged portions of U. S. Assay Office, here. J. A. Wetmore, acting superv. archt.

N. Y., Tomkinsville — Steel Acetylene Buoy Bodies—Until Nov. 4, by Superintendent of Lighthouses, furnishing 4 steel acetylene buoy bodies with superimposed skeleton steel lantern tower and bottom whistle tube.

Pa., Phila. — Lumber Storehouse — Until Nov. 2, at office of officer in charge of construction, Frankford Arsenal, building, here; advertised in this issue.

Pa., Phila.—Marine Hospital—Until Nov. 15, by Treas. Dept., Wash., D. C., building extension to Marine Hospital, here. J. A. Wetmore, acting superv. archt.

Pa., Washington—Mailing Vestibule—Until Nov. 2, by Treas. Dept., Wash., D. C., building, at U. S. Post Office, here. J. A. Wetmore, acting superv. archt.

D. C., Wash.—Conduit, etc.—Until Nov. 11, by Treas. Dept., Wash., D. C. furnishing conduit, wiring and lighting fixtures in Butler Bldg. J. A. Wetmore, acting superv. archt.

D. C., Wash.—Grading—Until Oct. 25, by Treas. Dept., Wash., D. C., grading on site of U. S. P. H. S. Hospital, Mt. Alto, here. J. A. Wetmore, acting superv. archt.

D. C., Wash.—Hardware, etc.—Until Oct. 25, by Comr. Indian Affairs, Indian Bureau, Wash., D. C., furnishing hardware, electrical supplies, iron work, plumbing, lumber, etc.

Va., Front Royal—Post Office—Until Nov. 8, by Treas. Dept., Wash., D. C., building, here. J. A. Wetmore, superv. arch. Noted Aug. 26.

O., Akron—Extending Mailing Vestibule, etc.—Until Nov. 15, by Treas. Dept., Wash., D. C., building extension to mailing vestibule, driveway, mezzanine floor and public lobby, etc., in Post Office, here. J. A. Wetmore, superv. archt.

Mo., St. Louis—Earthwork—Until Nov. 18, at office of secretary, Mississippi River Comn., 1311 International Life Bldg., building 216,000 cu.yd. earthwork in Kings Lake D.D.; advertised in this issue.

Cal., Mare Island — Heating System — Spec. 4189 — Until Nov. 10, by Bureau Yards & Docks, Navy Dept., Wash., D. C., installing heating system in structural shop at Navy Yard, here; $10 deposit required for plans and spec.

Cal., Sacramento—Remodeling Post Office and Court House—Until Nov. 1[illegible] Treas. Dept., Wash., D. C., remodeling here. J. A. Wetmore, superv. archt.

Cal., San Diego—Hospital Building—Spec. 4300—Until Oct. 27, by Bureau Yards & Docks, Navy Dept., Wash., D. C., constructing, at Marine Corps Base, here, $10 deposit required for plans and spec. Noted Sept. 16.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Mass., Chelsea**—Lighting System—Spec. 4281—Bureau Yards & Docks, Navy Dept., Wash., D. C., let contract building at Naval Hospital, here, to G. E. Eng. Co., 22 Leight St., New York City, $15,750, (120 days). Noted Oct. 14.

R. I., Providence—Dredging—U. S. Engineer's Office received bids Oct. 11, dredging in Thames River, Conn., from J. S. Packard Dredging Co., 1004 Turks Head Bldg., $.645 per cu.yd. total, $26,240; Bridgeport Dredge & Dock Co., Commercial Natl. Bank Bldg., Bridgeport, Conn., $.79 per cu.yd., total $32,390. Noted Sept. 16.

★**N. Y., Brooklyn**—Electric Distributing System — Spec. 4286 — Bureau Yards & Docks, Navy Dept., Wash., D. C., let contract building underground electric lighting and power distributing system, here, to J. Sugden Co., 100 5th Ave., New York City, $26,250, (120 days). Noted Sept. 16.

★**N. Y., Rockaway Beach**—Radio Compass Building—Bureau Yards & Docks, Navy Dept., Wash., D. C., let contract constructing here and at Sandy Hook, to Post & McCord, 101 Park Ave., New York City, $5,000, (45 days).

Pa., Phila. — Steel Dump Scows — War Dept., U. S. Engineers Office, Room 815 Witherspoon Bldg., 1321 Walnut St., received bids Oct. 14, furnishing 2 steel dump scows, from Lake Torpedo Boat Co., Bridgeport, Conn., $128,900, (place of delivery Bridgeport, Conn.); Charleston Dry Dock & Machinery Co., Charleston, S. C., $140,509 (mouth of Delaware River) alternate, 2 additional scows, $135,509 (at Yard Charleston, S. C.); Johnson Iron Wks. Dry Dock & Shipbuilding Co., Inc., Morgan and Seguin Sts., New Orleans, La., $79,800 for 2 additional scows, $78,800, (New Orleans); Ellicott Machine Corp., Baltimore, Md., $98,967, 3 or 4 additional scows, $96,967 (Phila.) Virginia Shipbuilding Corp., Green and Lee Sts., Alexandria, Va., $85,000, 1 or more additional scows, $85,000, (Alexandria Va.); Bethlehem Shipbuilding Corp., Ltd., Bethlehem, $98,000, 3 or 4 additional scows, $97,000 (Elizabethport, N. J.); Amer. Bridge Co., Frick Bldg., Pittsburgh, $97,400, 3 or 4 additional scows, $96,000, (Kearney, N. J.); Newburgh Shipyards, Inc., Newburgh, N. Y., $93,990, 3 or 4 additional scows, $92,670, (Newburgh); Navy Yard, Phila., $104,500, 4 additional scows, $99,500 (Phila.); Amer. Car & Fdry. Co., East 8th St., Wilmington, Del., $48,666; Southern Shipyard Corp., Newport News, Va., 4 to 6 additional scows, $55,000 to $65,000. Noted Sept. 16.

D. C., Wash. — Office and Laboratory — Spec. 4201—Bureau Yards & Docks, Navy Dept., received bids Oct. 15, constructing buildings, extensions to railroad tracks and foundations for radial brick chimney, at Naval Experimental and Research Laboratory, at Bellevue, here, (1) work complete, from Hyde & Baxter, 1311 G St., N. W., (1) $715,994, time as specified, (2) $681,664, (3) $665,914, (4) add $289, (5) deduct $10,882, (6) deduct $10,208 (7) deduct $9,811, (8) deduct $2,162, (9) deduct $2,084, (10) deduct $2,275; Boyle Robertson Constr. Co., 601 Evans Bldg., (1) $729,759, time as specified, (2) $687,650, (3) $667,728, (4) add $3,138, (5) deduct $77,048, (6) deduct $68,828, (7) deduct $65,328; Hughes Foulkrod Co., Commonwealth Trust Bldg., Phila., Pa., (1) $757,480, (300 days), (2) $709,200, (3) $687,800, (4) add $100, (5) deduct $73,548, (6) deduct $65,378, (7) deduct $61,778, (8) add $1,190, (9) add $1,086, (11) add $1,086, (12a) $210, (12b) $157, (12c) $130. Noted Sept. 30.

★**D. C., Wash.**—Storehouse—Spec. 4155—Bureau Yards & Docks, Navy Dept., let contract building storehouse for combustibles, here, to C. M. Tompkins, 1882 3rd St., N. W., $42,300, (260 days). Noted Oct. 7.

★**Va., Hampton Roads**—Seaplane Runway—Spec. 4267—Bureau Yards & Docks, Navy Dept., Wash., D. C., let contract building, at Naval Operating Base, here, to Raymond Concrete Pile Co., 921 Munsey Bldg., Baltimore, Md., $64,750, (120 days). Noted Sept. 30.

Federal Government Work (Continued)

★**North Carolina**—Road Work—U. S. Forest Reserve let contract grading and top-soil surfacing 21 mi. Three-State Highway between Walhalla, S. C., and Highlands, N. C., running through section of Georgia, to Wright & Nave, Anderson, S. C. About $229,000.

★**Mo., Kansas City**—Steam Service Connection—Treas. Dept., Wash., D. C., let contract installing complete outside steam service, here, to MacMahon Plumbing & Heating Co., 1329 Oak St., $10,476. Noted Oct. 7.

★**Tex., Dallas**—Altering Post Office—Treas. Dept., Wash., D. C., let contract altering, here, to Crisman & Nesbit, 310 Deere Bldg., $16,499.

★**Wash, Tatoosh**—Double Radio Quarters—Spec. 4305—Bureau Yards & Docks, Navy Dept., Wash., D. C., let contract building, here, to B. Ward, 418 Peoples Bank Bldg., Seattle, $10,365, (90 days) Noted Oct. 14.

★**Ore, Empire**—Double Radio Barracks—Spec. 4302—Bureau Yards & Docks, Navy Dept., Wash., D. C., let contract building 2 barracks here, to J Galber, Mutual Life Bldg., Seattle, Wash., $11,278, (120 days). Noted Sept. 23.

Oregon—Road Work—U. S. Forestry Bureau, Div. Office, Portland, received bids Oct. 8, improving and building 2 steel bridges on Mt. Hood Loop Project, Hood River Sect., from Siems & Carlson, Realty Bldg., Spokane, Wash., $177,004; Warren Constr. Co., 700 Journal Bldg., Portland, $190,438; Johnson Contg. Co., Lumber Exch. Bldg., Portland, $218,030.

Miscellaneous

PROPOSED WORK

Tract Development — Cocoanut Grove, Fla.—Town having preliminary sketches made by J. I. Bright, engr., Otis Bldg., Phila., for removing present structures, laying roads, building park, hotel and other concrete block and terra cotta buildings. Cost to exceed $1,000,000.

Dam—Tama, Ia.—J. G. Cherry Co. had plans prepared for dam and canal work for electric light system. About $40,000. E. T. Cherry, vice-pres. Power Eng. Co., 621 Metropolitan Life Bldg., Minneapolis, Minn., engrs.

Fire Protection—Red Wing, Minn.—See "Sewers."

Cemetery—Casper, Wyo.—City election Nov. 2, to vote on $30,000 bonds to improve and build addition to cemetery. F. S. Knittle, city engr.

Interlocking System—Woodstock, Ont.—Grand Trunk Ry., Union Sta., Toronto, plans to build interlocking system, here. About $20,000. H. Kelly, Montreal, Que., engr.

BIDS DESIRED

Head Gates—Baldwinsville, N. Y.—Until Nov. 16, by E. S. Walsh, Supt. Pub. Wks., Capitol, Albany, building head gates at north end of dam, Erie Canal, Sect. 6, Contr. 186; advertised in this issue.

Dock Wall—Buffalo, N. Y.—Until Nov. 16, by E. S. Walsh, Supt. Pub. Wks., Capitol, Albany, building portion of dock wall around Ohio Basin (revised plans), Terminal Contr. 53-A; advertised in this issue. Noted Sept. 16.

Bitumen—New York, N. Y.—Until Oct. 25, by Bd. Purchase, Room 526, Municipal Bldg., furnishing and delivering bitumen in asphalt cement and in refined tar, to Dept., Water Supply, Gas & Electricity.

Dumping Scows—New York, N. Y.—Until Nov. 5, by F. A. Eschmann, acting comr. Street Cleaning Dept., Room 1244, Municipal Bldg., constructing 5 dumping scows.

Ferryboat—New York, N. Y.—Until Nov. 1, by G. A. Whalen, comr. Plant & Structures, Municipal Bldg., constructing steel screw ferryboat.

Steam Roller—Rochester, N. Y.—W. H. Wilson Iron Wks., 551-63 Lyell Ave., receiving bids for 1 steam roller.

Telephone Service, Equipment, etc. — Phila., Pa.—Until Oct. 28, by Dept. Pub. Safety, Room 215, City Hall, furnishing municipal and police telephone service and equipment, also electric lamps and lighting, extinguishing, cleaning and repairing such lamps for streets, etc., during year of 1921. About $104,000 and $1,300,000 respectively.

Lock and Dam—Chicago, Ill.—Until Nov. 22, at office of F. I. Bennett, dir. Dept. Pub. Wks. & Bldgs., Div. of Waterways, Room 1404, 25 East Jackson Blvd., building Starved Rock Lock and Dam, in Illinois River, 2 mi. above Utica and 7 mi. below Ottawa; advertised in this issue.

Foundation and Excavation — Madison, Wis.—Until Oct. 22, by University of Wisconsin, building rein.-con. foundation, for rein.-con. and brick hospital on University Ave. between Charter and Larch Sts. Total cost, $1,000,000. A. Peabody, state archt. Noted Aug. 9.

Road Machinery—Sioux City, Ia.—Comrs. Woodbury Co. receiving bids for road machinery for gravel pit, Kedron Twp., to include one 80 ft. boom drag line, with 2 yd. bucket, one No. 4 gyratory crusher, 1 Telsmith heavy duty washer screen, 48 in. x 14 ft., ⅜ in. and ½ in., 2 sand settling tanks, Telsmith No. 7, 1 bucket elevator, 110 ft. long, 1 centrifugal pump, 1 stiff-legged derrick, 70 ft. mast, 50 ft. boom with 2 yd. bucket. R. S. Taylor, co. engr.

Smelter Improvements—Galena, Kan.—Until Nov. 1, by G. N. Holt, engr., c/o Eagle Pitcher Lead Co. (owner), Joplin, Mo., for smelter improvements at plant here, including steel runway, smokestack and 100 ft. crane. About $75,000.

Basement—Casper, Wyo.—Until Nov. 1, by Dubois & Goodrich, archts., Townsend Bldg., constructing concrete basement and covering same with concrete floor slab at ground level, for 4 story, 80 x 140 ft., rein.-con. clubhouse, rein.-con. flooring, on North Wolcott and A Sts., for Moose Lodge. Cost $20,000. Ultimate cost $170,000.

Supplies—Toronto, Ont.—Until Nov. 2, by T. L. Church, chn. Bd. Control, furnishing annual supplies, (1) brass and bronze castings, (2) brass work for house services, (3) c.i. pipe, (4) hydrants, (5) pipe fittings and valves, (6) lead pipe, (7) special castings, (8) stop valves, (9) refined asphalt, (10) vitr. paving blocks, (11) treated wood blocks, (12) sewer brick, (13) iron castings, manholes, gullies and grates, (14) portland cement, (15) mineral dust, (16) general supplies, (17) gravel, (18) granite sett, (19) iron and steel, (21) house numbers, (22) oils, (23) sewer pipe, (26) rubber valves, (27) trap rock, (28) sand, (29) crushed stone, (30) rubble stone, (33) trainmen's uniform suits, (34) liquid chlorine, (35) basic sulphate of alumina.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Coaling Plant—Cambridge, Mass.**—Progressive Coal Co., 288 Albany St., let contract building concrete coaling and distributing plant, with coal bunks, to C. A. Dodge Co., Erie and Albany Sts. About $50,000.

★**Foundation — Leominster, Mass.**—Leominster Theatre, Inc., let contract building concrete foundation for 1 story, 70 x 155 ft., brick and steel theatre, on Maple St., to G. Ross & Son, 10 Oxford St. Total cost, $125,000.

★**Dam — Lynn, Mass.**—Universal Tide Power Co., 69 Canal St., Boston, let contract building rein.-con. hydraulic dam, to M. Seretto, 3 Tremont Row, Boston. About $300,000.

Heating Apparatus, etc.—Brooklyn, N. Y.—Bd. Educ., New York City, received bids Oct. 18th installing (a) heating and ventilating, (b) temperature apparatus, (c) electric elevator, (d) plumbing and drainage, in P. S. 73, here, from Gillis & Geoghagan, 527 West Bway., New York City, (a) $191,485; E. Ruetzler Co., (a) $193,976; J. C. Williams, 261 West 126th St., New York City, (a) $197,447; Johnson Serv. Co., 123 East 27th St., New York City, (b) $8,956; Bishop & Babcock, (b) $8,958; Otis Elevator Co., 11th Ave. and 26th St., New York City, (c) $16,820; J. A. Graf, 394 Waverly Pl., (d) $22,472; N. Niebrauer, Jr., (d) $29,574; J. J. Kenney, 236 West 20th St., New York City, (d) $32,700. Noted Oct. 14.

Piles, etc.—Brooklyn, N. Y.—E. S. Walsh, Supt. Pub. Wks., Capitol, Albany, received bids Oct. 13, driving foundation piles for proposed grain elevator, building bulkhead wall along Henry St. slip and dredging Henry St. Basin, at Gowanus Bay (Terminal Contr. 79), from Raymond Concrete Pile Co., 90 West St., $428,269; A. N. Spooner & Son, Inc., Pier 11, North River, $445,519; Phoenix Constr. Co., 41 Park Row, $449,625; all contractors in New York City. Noted Sept. 16.

★**Asphalt Plant—New York, N. Y.**—H. Bruckner, pres. Bronx Boro., let contract furnishing labor and material building asphalt plant on Edgewater Rd. near Garrison Ave., to M. Del Balso, 1434 Bryant Ave., $54,570, steel stiff leg derrick, to O'Rourke Crane Co., $12,900; bulkhead for plant, to Riverside Contg. Co., 164 Montague St., Brooklyn, $28,716. Noted Oct. 7.

Electrical Equipment—New York, N. Y.—Bd. Educ. received bids Oct. 18, installing electrical equipment in P. S. 38, Bronx, from Jandous Electric Equipment Co., 109 West 31st St., $47,212; Crocker Natl. Co., 1270 Bway., $48,660; T. F. Jackson, Inc., 99 John St., $50,595. Noted Oct. 7.

Ferryboat—New York, N. Y.—G. A. Whalen, Comr. Plant & Structures, Municipal Bldg., received bids Oct. 13, building steel screw ferryboat, from S. I. Shipbuilding Corp., 3075 Richmond Terrace, Port Richmond, $827,900; Tebo Yacht Basin Corp., foot 24th St., Brooklyn, $896,000; Virginia Yacht Building Corp., $916,935. Noted Oct 7.

★**Limestone—New York, N. Y.**—H. H. Curran, pres. Manhattan Boro., let contract furnishing and delivering 2,000 ton limestone, to R. M. Soper, 1476 Bway., $20,840. Noted Oct. 14.

★**Rapid Transit—New York, N. Y.**—Pub. Serv. Comn., 49 Lafayette St., let contract rebuilding portion of 4th Ave.-Bway. Rapid Transit R.R., to Booth & Flynn, 17 Battery Pl., $521,365. Noted Sept. 30.

★**Yard—New York, N. Y.**—Pub. Serv. Comn., 49 Lafayette St., let contract building portion 7th and Lexington Aves. Rapid Transit R. R., to O. Daniels, Woolworth Bldg. About $596,000. Noted Sept. 16.

Piers—Oswego, N. Y.—E. S. Walsh, Supt. Pub. Wks., Capitol, Albany, received only bid Oct. 13, building concrete foundation piers for proposed grain elevator on Barge Canal Terminal Pier here (Terminal Contr. 80), from Brown & Lowe and Law Bros., Foster Ave., Schenectady, $336,412. Noted Sept. 16.

Gasholder—Md., Baltimore—Consolidated Gas, Electric Light & Power Co., Lexington Bldg., will build concrete and steel gasholder at Spring Garden plant. Work will be done by day labor under supervision of G. Beadenkopf, ch. engr. About $300,000.

★**Cable—Cleveland, O.**—City let contract furnishing 53,961 ft. underground lead cable, to Standard Underground Cable Co., $22,173.

★**Foundation—Toledo, O.**—Bd. Educ. let contract erecting and completing excavation and rough concrete work, including 1st floor slab on South Side High School, Daniels St. and Western Ave., to Jellins & Kopiltke, Toledo, $212,891. Total cost over $1,000,000. Noted Sept. 23

★**Poles—Detroit, Mich**—Street Ry. Comm., City Hall, let contract furnishing seventeen hundred 30 ft. trolley poles (steel tubes), at $68 apiece, and four hundred 30 ft. heavy poles, $90, to Natl. Tube Co., Frick Bldg., Pittsburgh, Pa., total $151,680.

Breakwaer—Chicago, Ill.—South Park Comrs. 57th St. and Cottage Grove Ave., received bids building inner breakwater along shore of Lake Michigan from 11th Pl. to 24th St., (a) Sect. 1 involves 1,330 lin.ft. breakwater, (b) Sect. 2, 2,533 lin.ft., (3) Sect. 3, 3,627 lin.ft., from Great Lakes Dredge & Dock Co., 104 South Michigan Ave., (a) $211,470, (b) $387,549, (c) $449,748; Central Dredging Co. Chicago (a) $259,350, (b) $471,138, (c) $478,764. Noted Aug. 19.

Lock—Chicago, Ill.—Dept. Pub. Wks. & Bldgs., Div. Waterways, 25 East Jackson Blvd., received bids Oct. 18, building Marseilles Lock, in Illinois River, from Green & Sons Co., 8 South Dearborn St., $1,373,000; Bates & Rogers, 37 West Van Buren St., $1,547,000; O. Daniels Co., 38 South Dearborn St., $1,610,000. Noted Sept. 16.

★**Foundation—St. Paul, Minn.**—Bd. Trustees, c/o J. Levy, pres., 41 East 7th St., let contract building foundation and first floor slab for 2 story, rein.-con. and brick, Jewish Home for Aged, at 75 Wilkin St., to E. Bjorklund, 786 Como Blvd. About $20,000.

★**Fill, etc.—Belmont, Mont.**—Great Northern Ry. Co., Railroad Bldg., St. Paul, Minn., let contract for bridge, filling tunnel and grading here, to G. Smith & Co., 1505 Pioneer Bldg., St. Paul. Cost to exceed $25,000.

★**Shed—Seattle, Wash.**—Seattle Port Comn. let contract building "west" transit shed to duplicate present "east" structure on Pier "B," 500 ft. long, 120 ft. wide, to Scherer & Carlson, 111 Pine St., $123,740. Noted Sept. 23.

★**Stadiums—Hamilton, Ont.**—City let contract building concrete and wood stadiums in Scott Park, to J. T. Drake, Hamilton, $54,300.

★**Wharf—Owen Sound, Ont.**—Dept. Pub. Wks., Ottawa, let contract building concrete and wood, to E. Conroy, Peterboro, $89,768. Noted Aug. 12.

★**Pier—Toronto, Ont.**—Dept. Pub. Wks., Western Blk., Ottawa, let contract building 466 ft. of superstructure of east pier, at eastern channel of Toronto Harbor, involving 2,000 cu.yd. rein.-con., to S. Boone Dredging & Constr. Co., Ltd., Excelsior life Bldg., $68,679.

OFFICIAL PROPOSALS

Bids: Oct. 29.

Barge Canal Terminals

STATE OF NEW YORK
OFFICE OF SUPERINTENDENT OF PUBLIC WORKS
Albany, N. Y.

Sealed proposals will be received by the undersigned at his office in the Capitol at Albany, N. Y., until twelve o'clock noon of Friday, October 29th, 1920, at which place and hour they will be publicly opened and read, for the construction of Barge canal terminals pursuant to the provisions of Chapter 746 of the Laws of 1911, and amendatory laws, as follows:

TERMINAL CONTRACT No. 26-A

For completing the terminal at Rouses Point.

Contract plant sheets 1 and 2.

The work shall be completed on or before July 1st, 1921.

TERMINAL CONTRACT No. 229

For constructing the foundation of the proposed terminal freighthouse at Rochester. Contract plans, sheets 1 and 2.

Plans may be seen and detailed specifications, engineer's estimates of quantities, proposal blanks, form of contract and bonds required and other information for proposers may be had at the office of the Superintendent of Public Works at Albany, N. Y., at the office of the Assistant Superintendent of Public Works for the Middle Division at Syracuse, N. Y., at the office of the Assistant Superintendent of Public Works for the Western Division at Rochester, N. Y., and at the canal office, Spaulding's Exchange, Buffalo, N. Y.

Copies of detailed plans or drawings may be obtained from the State Engineer and Surveyor at Albany, N. Y., upon payment to him of the cost of producing them.

Monthly estimates will be paid of ninety per centum (90 per cent) of the work done at the contract price. Every proposal for said work must be accompanied by a money deposit in the form of a draft or certified check upon some good banking institution in the city of Albany or New York, issued by a national or state bank or trust company in good credit within the state and payable at sight to the Superintendent of Public Works for five per centum (5 per cent) of the amount of the proposal.

The person whose proposal shall be accepted will be required to execute a contract and furnish bonds within ten days from the date of notice of award delivered to him or them in person or mailed to the address given in the proposal.

Upon execution of the contract and approval of bonds the certified check or draft will be returned to the proposer unless the same shall have been presented for collection prior to such time, in which case the amount of the deposit will be refunded by the Superintendent of Public Works.

The deposits of bidders other than the one to whom the award of contract shall be made will be returned immediately after the award has been made.

The bond required for the faithful performance of each contract shall be in such sum as shall be fixed by the Superintendent of Public Works, which sum shall not be less than twenty per centum (20 per cent) of the estimated cost of the work according to the contract price, and an additional bond, known as the labor bond, in the sum of ten per centum (10 per cent) of the amount of the estimated cost of the work according to the contract price, will be required as security that the contractor will pay in full at least once in each month all laborers employed by him upon the work specified to be done in the contract.

In the event that more than one surety company is offered as surety on said bonds co-insurance only will be accepted.

Each proposal must be addressed to the Superintendent of Public Works, Albany, N. Y., and must be endorsed on the envelope with the name of the construction for which the proposal is made.

Award, if made, will be made to the person or persons whose proposal shall be lowest in cost to the state for doing the work, and which shall comply with all provisions required to render it formal. Before any award shall be made the lowest bidder will be required to satisfy the Superintendent of Public Works of his ability to provide suitable equipment and materials for the proper performance of the work.

The right is reserved to reject all proposals and readvertise and award the contract in the regular manner if, in the judgment of the undersigned, the interests of the state will be enhanced thereby.

EDWARD S. WALSH,
Supt. of Public Works.

Bids: Nov. 1.

Waterworks Improvement.

Defiance, O.

Notice is hereby given that sealed proposals will be received in accordance with the law at the office of the Director of Public Service of the City of Defiance, Ohio, until 12 o'clock noon, Central Standard Time, on the 1st day of November, A. D. 1920, for furnishing materials and performing the labor required for furnishing pumping machinery, installing pumping machinery, furnishing and installing piping, furnishing and installing electrical equipment and wiring and for furnishing and installing carbon dioxide gas generating and compressing apparatus at the City Water Works of the City of Defiance, Ohio, all in accordance with plans and specifications on file in the office of the Director of Public Service of the City of Defiance, and also in the office of the Consulting Engineers, Nicholas S. Hill, Jr., and S. F. Ferguson, 112 East 19th Street, New York City.

Copies of plans and specifications may be obtained from either the Director of Public Service or from the Consulting Engineers upon depositing $25.00, which sum will be refunded upon the return of plans and specifications in good condition within ten days after the date for the award of the contract, or else the entire deposit will be forfeited.

The work to be done includes:

Furnishing and delivering, f.o.b. cars Water Works side track, Defiance, Ohio, three centrifugal pumps with a capacity of from 2½ to 4 millions gallons daily, complete with motors or gasoline engines mounted on common base with the pumps, together with other small pumps. Unloading from cars and installing in the Pumping Station, on foundations provided by the City, the pumping equipment mentioned above, and furnishing and installing all suction, discharge, blow-off, exhaust, air, priming, cooling water, gasoline, drain and other piping required for their operation including valves, specials and appurtenances.

Furnishing and installing on foundation provided by the City, gasoline engine driven alternator and accessories. Furnishing and installing transformers, switchboard, circuit breakers, voltmeter, ammeter, interor and exterior power and light wiring, lamps, conduits, pole line, etc., necessary to provide complete electric power and light circuits at the Water Works plant.

Furnishing and in stalling apparatus for manufacturing and compressing carbon dioxide gas and delivering this gas to a system of piping provided by the City. Foundations will be provided by the City.

Each bid shall be accompanied by a bid bond from a reliable surety company, or a certified check upon some solvent bank in the City of Defiance, Ohio, made payable to the City of Defiance, Ohio, in an amount equal to five per cent (5%) of the bid tendered, as a guarantee that the bidder will, if an award is made to him, enter into a bona fide contract with the Director of Public Service of the City of Defiance, Ohio, to perform the work and furnish a satisfactory bond as a guaranty for its proper performance.

Bidders shall furnish, if required, satisfactory evidence of their experience and ability to perform work of the character required.

The Director of Public Service reserves the right to consider bids for ten days after receiving them before awarding the contract, and the right is reserved to reject any or all bids or to accept any which the Director of Public Service may deem advantageous to the City of Defiance.

Bids: Nov. 22

Lock and Dam Construction

OF

THE ILLINOIS WATERWAY
CONTRACT NO. 2
Chicago, Ill.

1. Sealed proposals for the construction of Starved Rock Lock and Dam, located in the Illinois River, two miles above Utica, and seven miles below Ottawa, La Salle County, Illinois, will be received at the Office of the Director of the Department of Public Works and Buildings, Division of Waterways, Room 1404, 25 East Jackson Boulevard, Chicago, Illinois, until twelve (12) o'clock noon, Central Standard Time of the twenty-second (22) day of November, 1920, and then publicly opened and read.

2. Copies of the plans, specifications, proposal blank, form of bond, and contract may be obtained by prospective bidders at the Office of the Department, Room 1404, 25 East Jackson Boulevard, Chicago, Illinois, upon depositing a check for Ten Dollars ($10.00), made payable to the Director of the Department of Public Works and Buildings, which sum will be returned within ten (10) days after the contract has been awarded, if the plans are returned in good condition within that time.

3. Each proposal shall be accompanied by a certified check or draft drawn on some responsible bank doing business in the City of Chicago, and made payable to the order of the Director of the Department of Public Works and Buildings, for five (5) per cent of the amount of the proposal. In lieu of a certified check or draft, the proposal may be accompanied by a bond executed in the form prescribed by the Department of Public Works and Buildings and with a Surety Company approved by the Department in the penal sum of ten (10) per cent of the amount of the proposal.

4. The Department of Public Works and Buildings reserves the right to reject any or all bids. The contract, if let, will be awarded to the lowest responsible bidder.

FRANK I. BENNETT,
Director, Department of Public Works and Buildings.
WILLIAM L. SACKETT,
Superintendent of Waterways.
M. G. BARNES,
Chief Engineer,
Division of Waterways.
October 21, 1920.

Bids: Oct. 26.

Drainage Ditch Construction.

Geneseo, Ill.

Sealed proposals will be received by the Commissioners of the Rock River Drainage and Levee District in the Counties of Henry and Whiteside and State of Illinois until the 26th day of October, A. D. 1920, and until 10 o'clock a.m. of said day, at which time the bids will be publicly opened at the office of Henry Waterman in Geneseo, Illinois, and the work awarded to the lowest responsible bidder. The work for which bids is desired consists of the construction of one main ditch and one lateral ditch requiring the removal of approximately 272,000 cubic yards of material. Plans and specifications for the work may be had from either the Commissioners, their Engineer or Attorney. The work will be paid for in cash, 80 per cent on monthly estimates and the balance upon the completion and final acceptance of the entire work awarded. All bids should be mailed or delivered to the Commissioners. The bids must be accompanied by a certified check or bank draft payable to the Treasurer of the District in the sum of $2,500.00. The right is reserved to reject any and all bids.

Geneseo, Illinois, October 5th, 1920.
LEVI S. ROPP, Geneseo, Ill., R. R. 6.
Chairman.
MARTIN L. FRANKS, Geneseo, Ill.
Secretary.
JAMES E. BRYANT, Hillsdale, Ill.
Commissioner.
H. E. REEVES, Engineer.
Le Claire, Iawo.
HENRY WATERMAN, Attorney,
Geneseo, Ill.